

**Entwicklung eines Prüfverfahrens zur Beurteilung  
des Brandverhaltens von Baustoffen**

**Abschlußbericht Tl. 3**

**Versuchsergebnisse, Rundversuche**

**T 2818/3**

T 2818/3

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# **Entwicklung eines Prüfverfahrens zur Beurteilung des Brandverhaltens von Baustoffen**

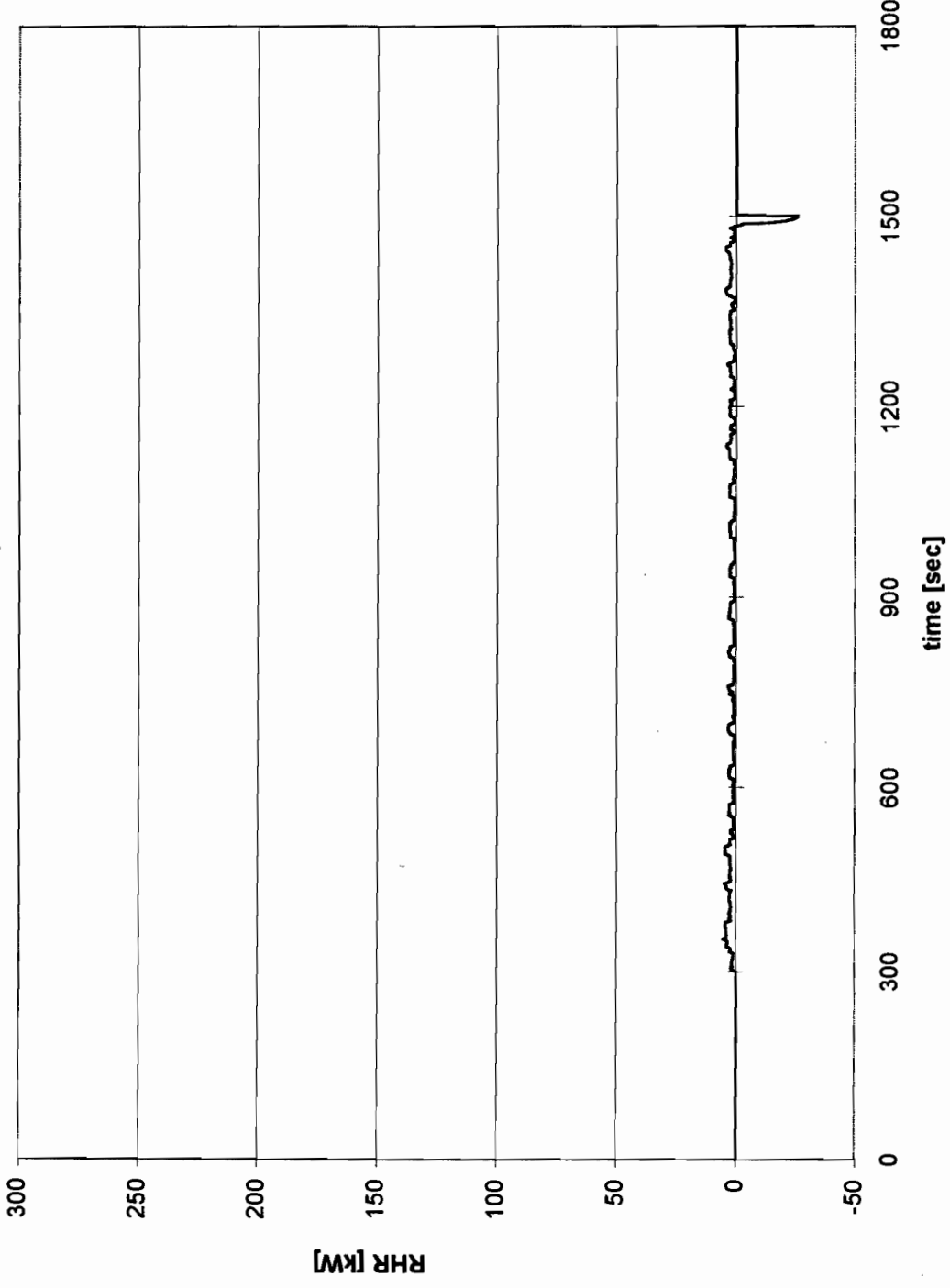
**Abschlußbericht Teil 3**

**Versuchsergebnisse - Rundversuche**

**Materialprüfungsamt NRW**

**Dezember 1997**

*RHR sample*



L04

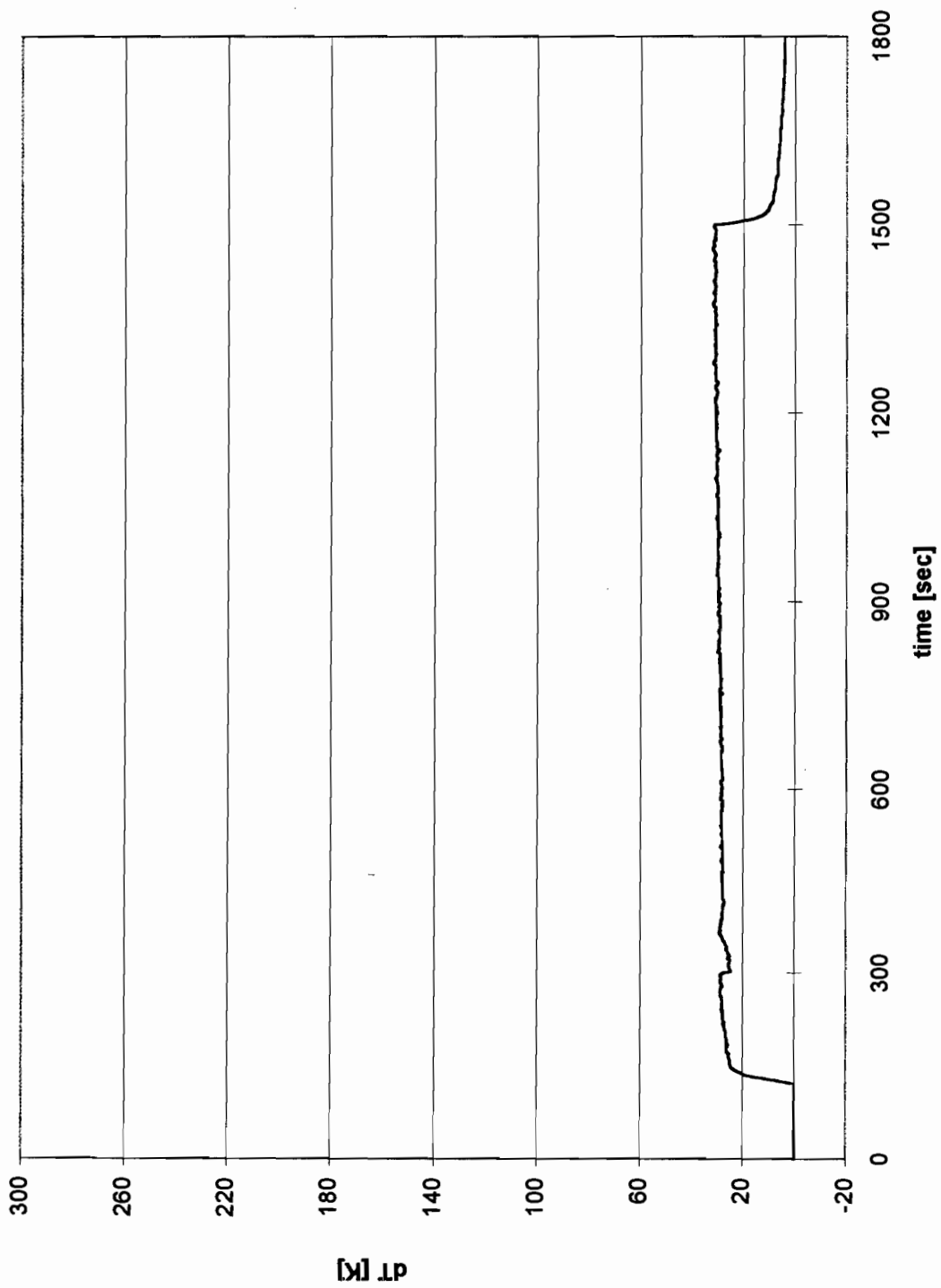
M01

1

04.08.97

v 4.1; 4 July '97

### Temperature rise



L04

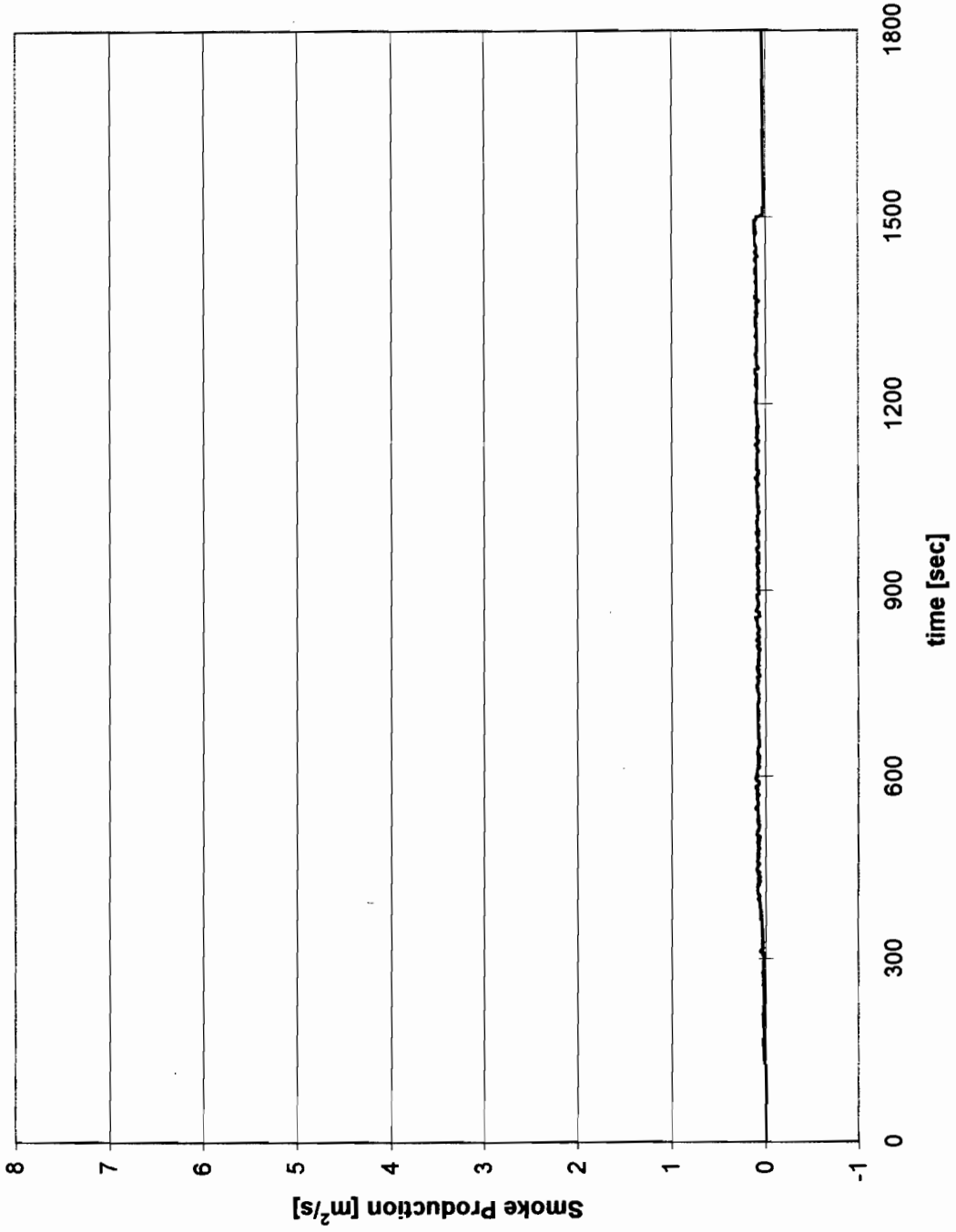
M01

1

04.08.97

v 4.1; 4 July '97

### Smoke Production



L04

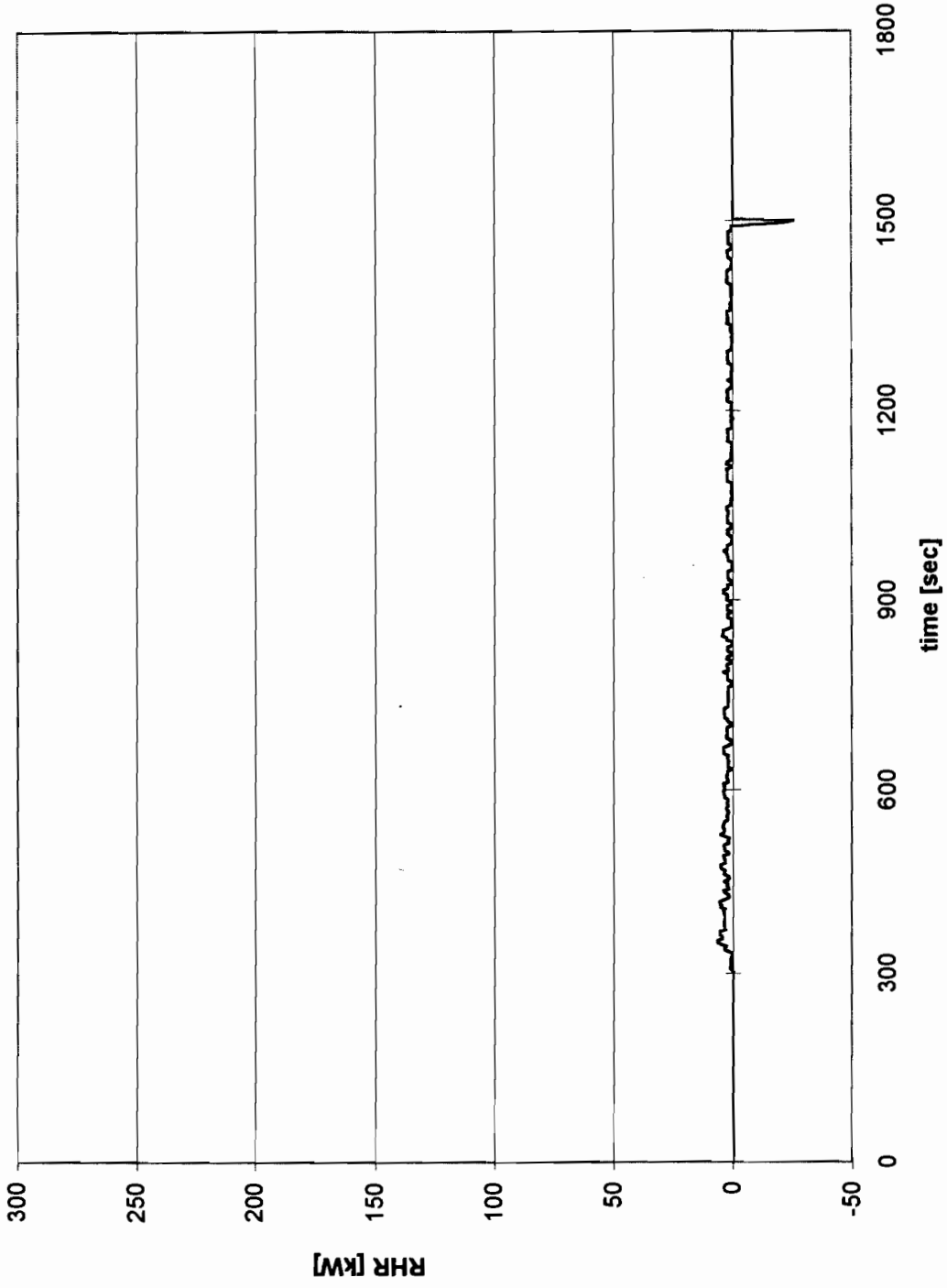
M01

1

04.08.97

v 4.1; 4 July '97

### RHR sample



L04

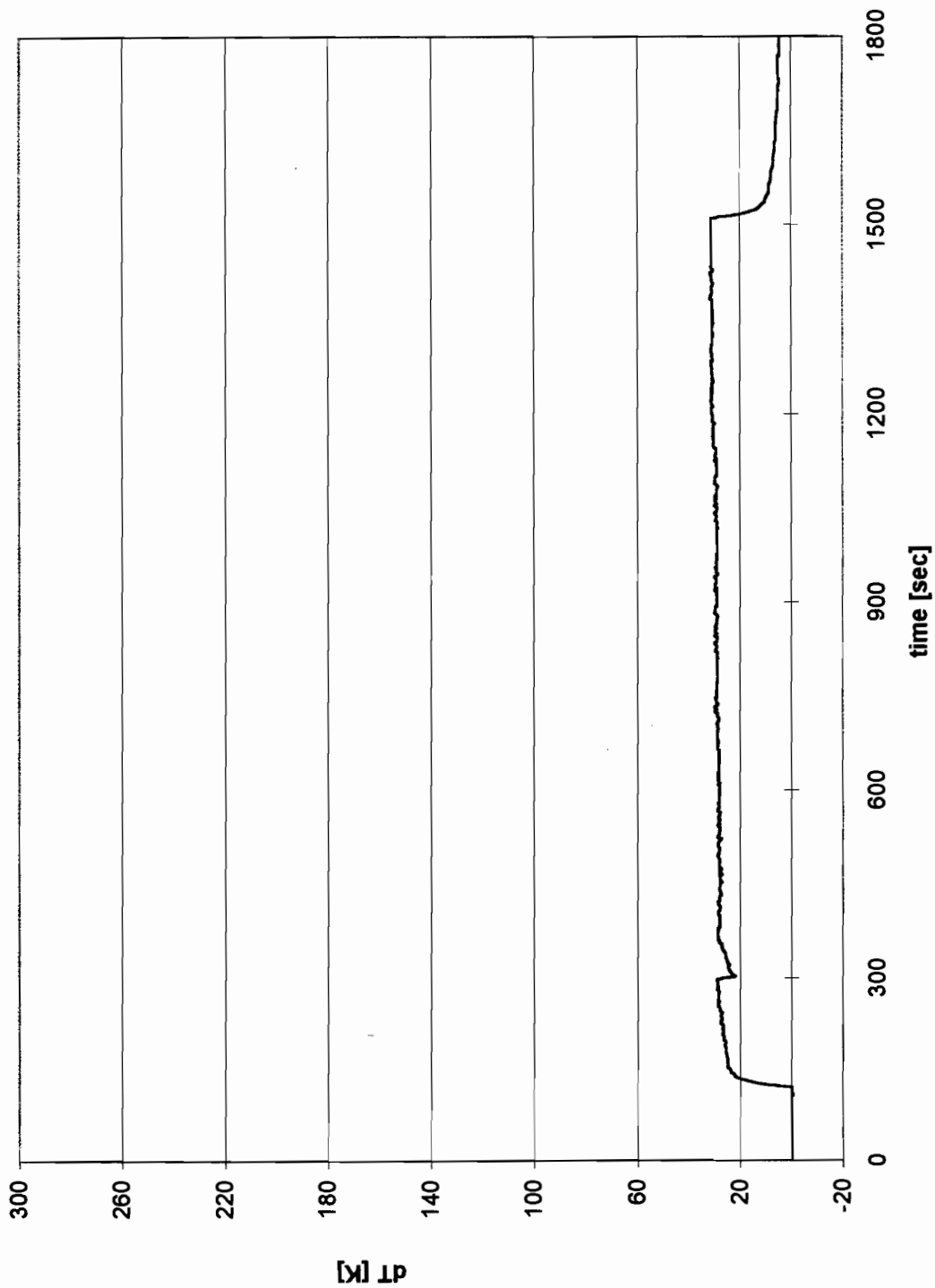
M01

2

04.08.97

v 4.1; 4 July '97

### Temperature rise



L04

M01

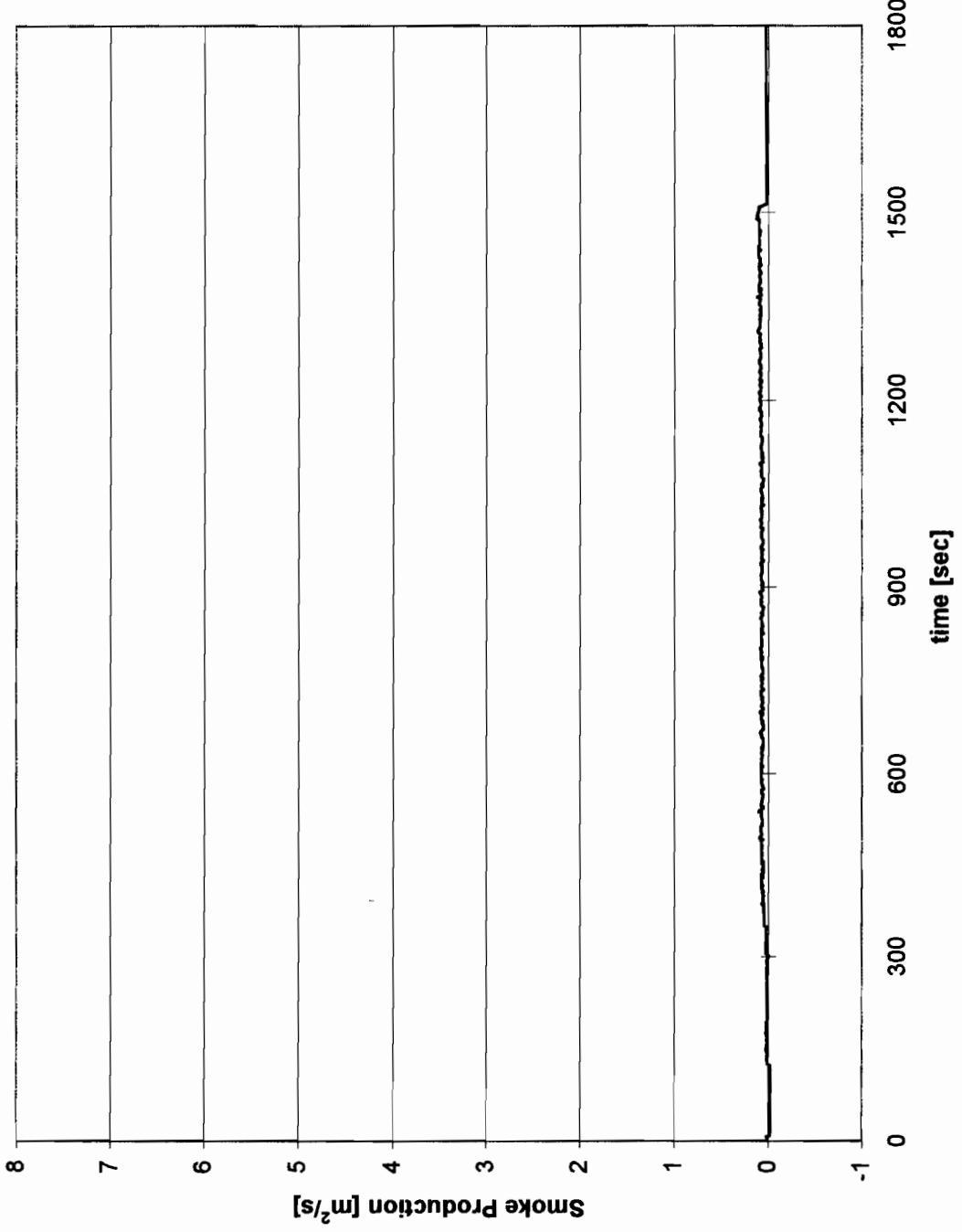
2

04.08.97

v 4.1; 4 July '97



# Smoke Production



L04

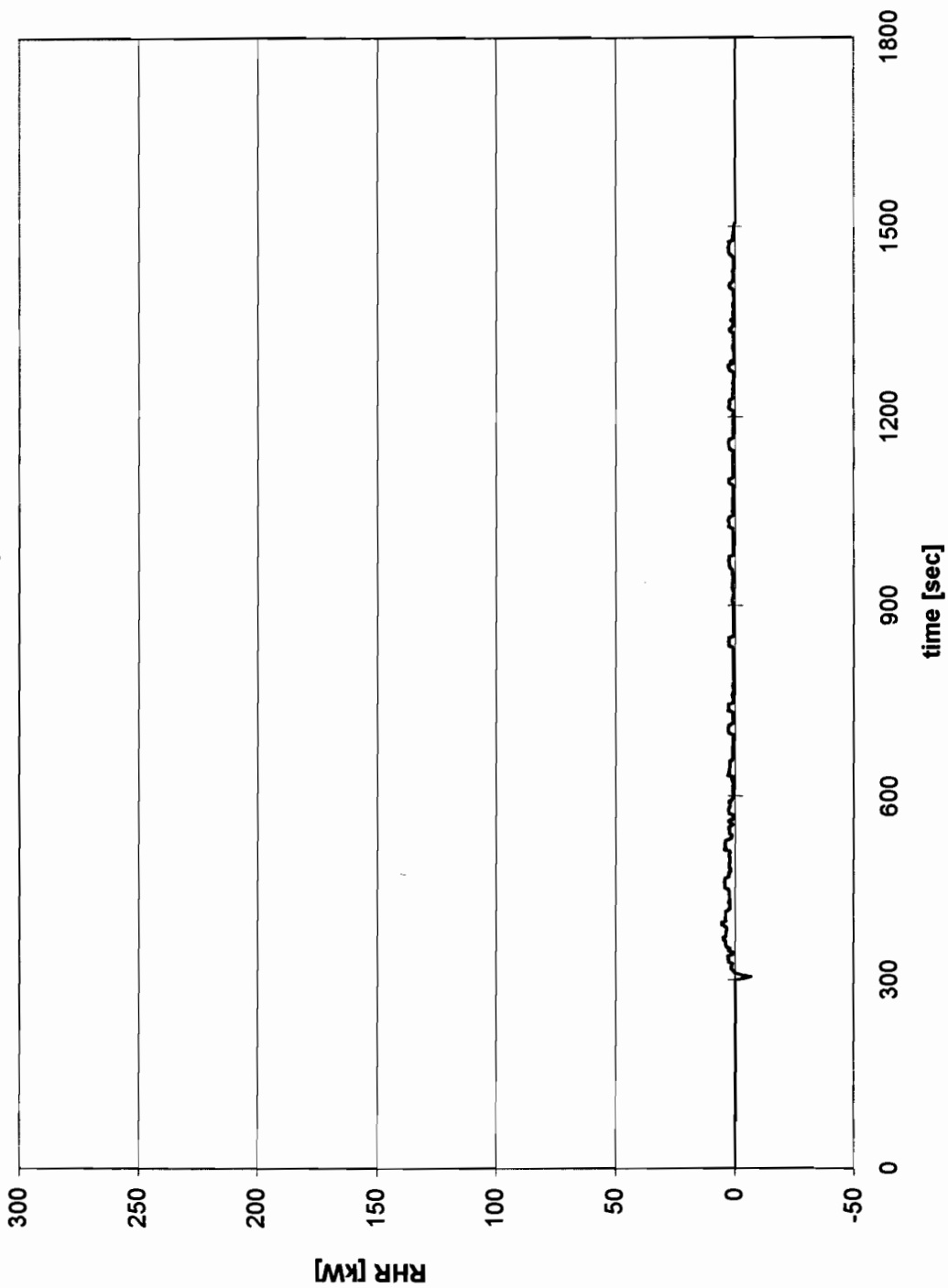
M01

2

04.08.97

v 4.1; 4 July '97

### RHR sample



L04

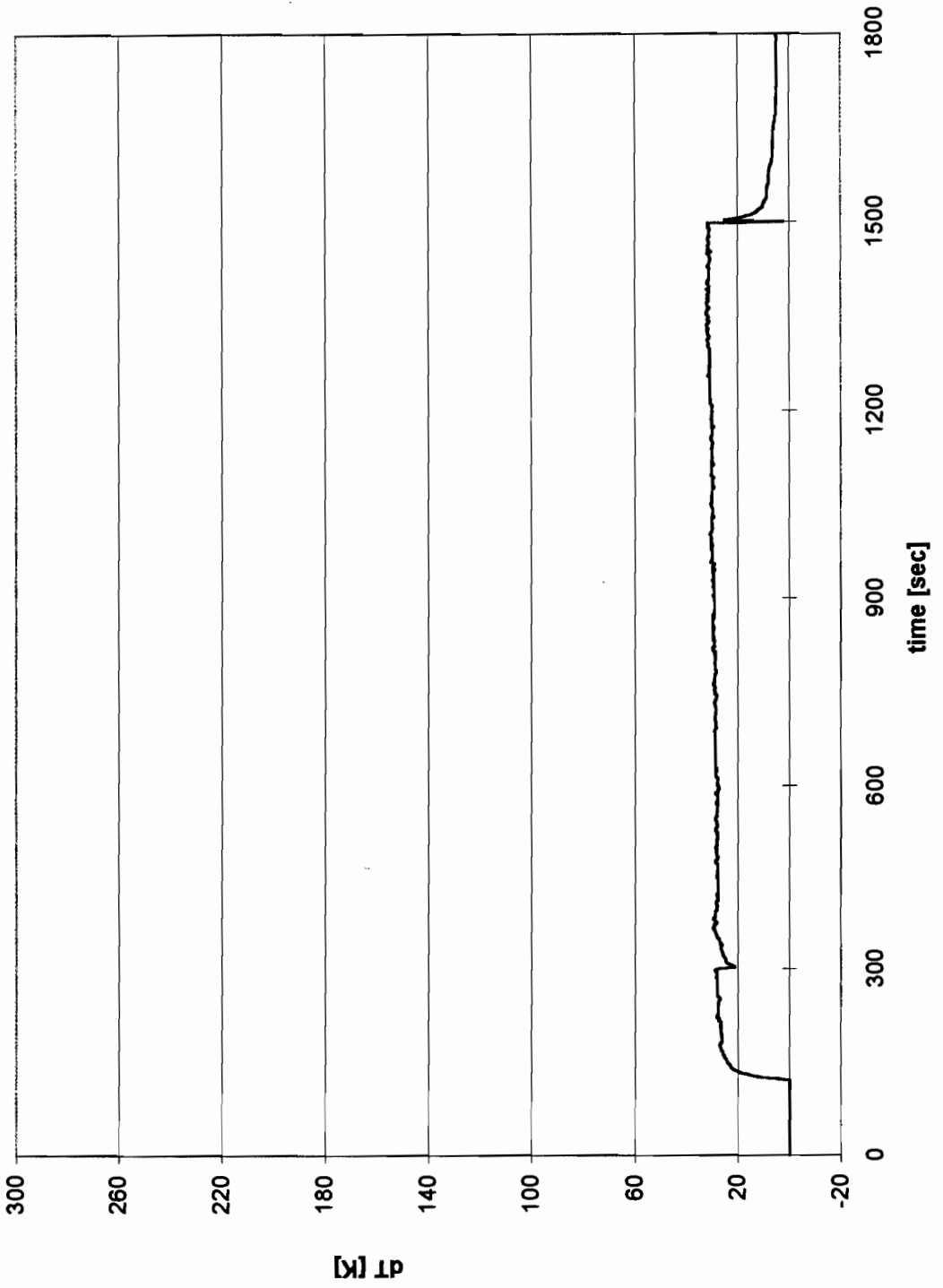
M01

3

04.08.97

v 4.1; 4 July '97

Temperature rise



L04

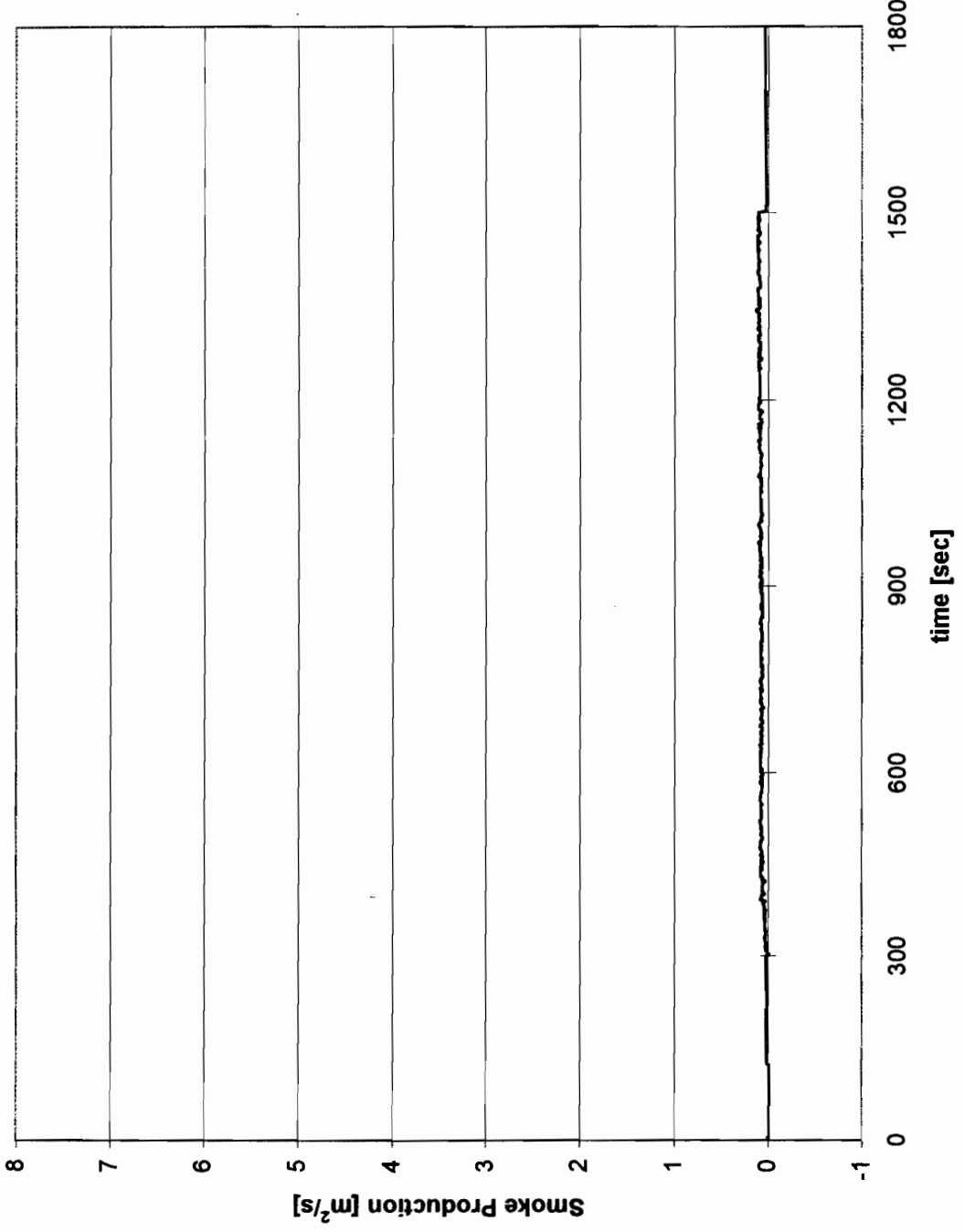
M01

3

04.08.97

v 4.1; 4 July '97

# Smoke Production



L04

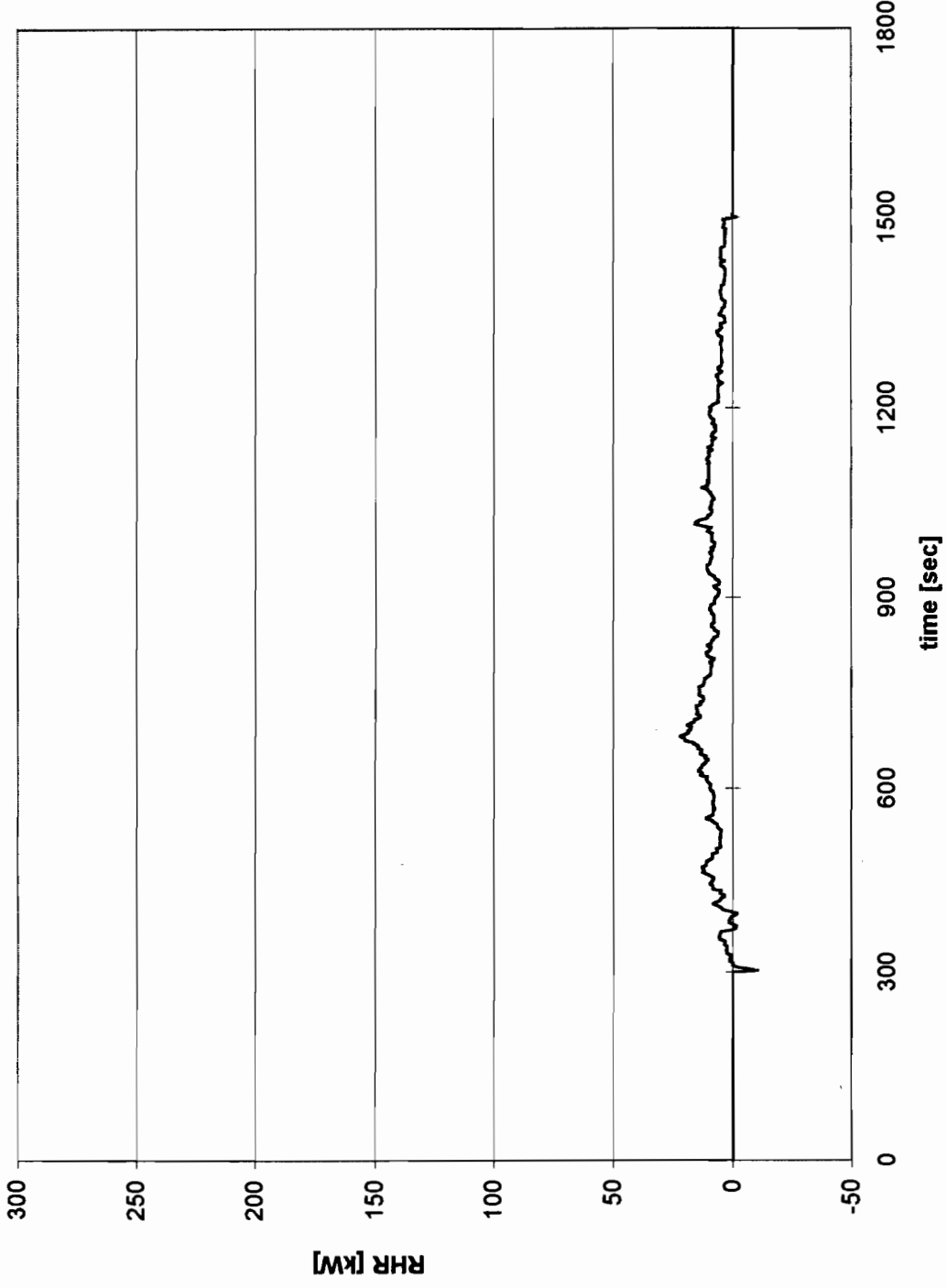
M01

3

04.08.97

v 4.1; 4 July '97

### RHR sample



L04

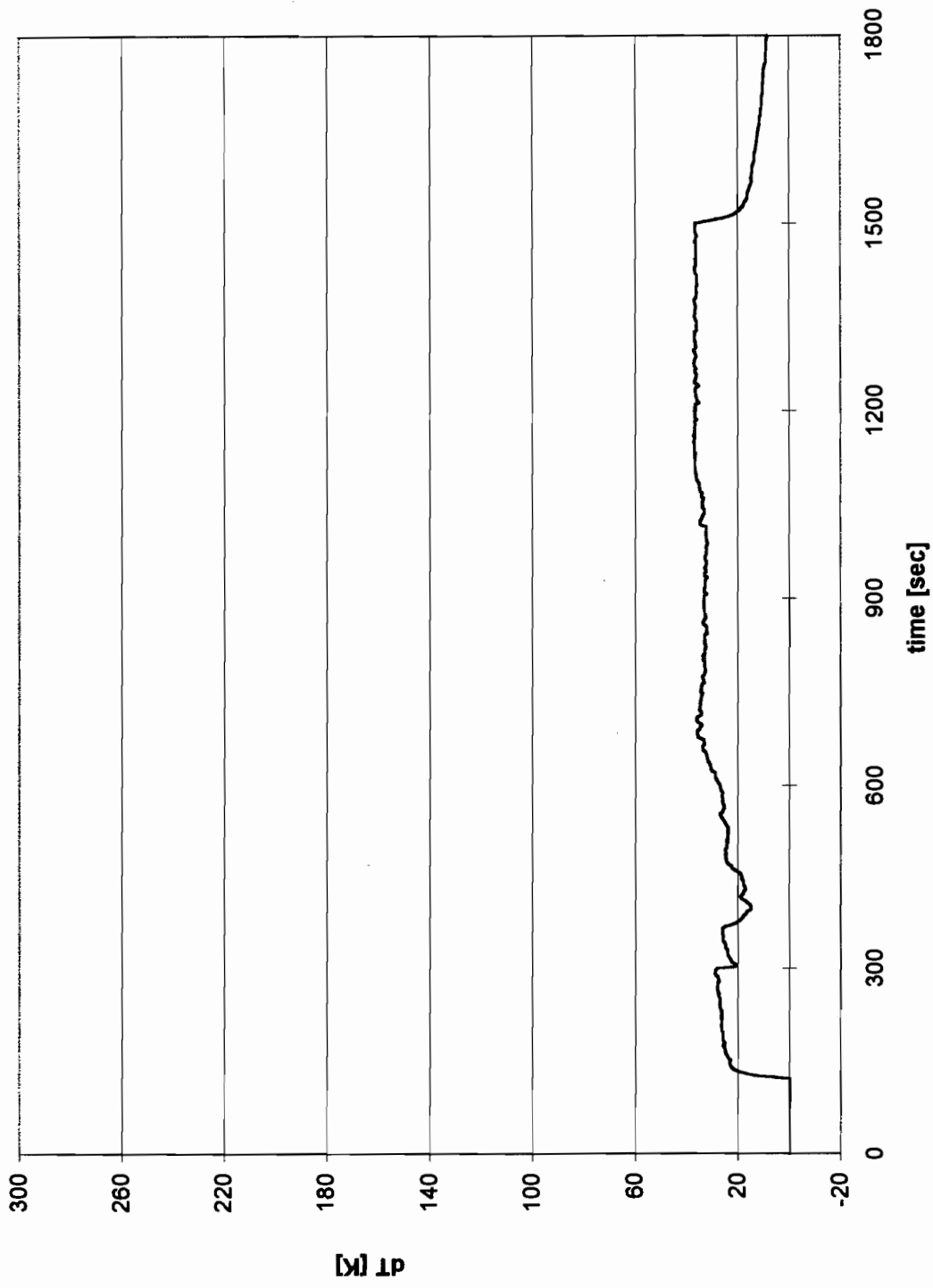
M02

1

01.09.97

v 4.1; 4 July '97

# Temperature rise



L04

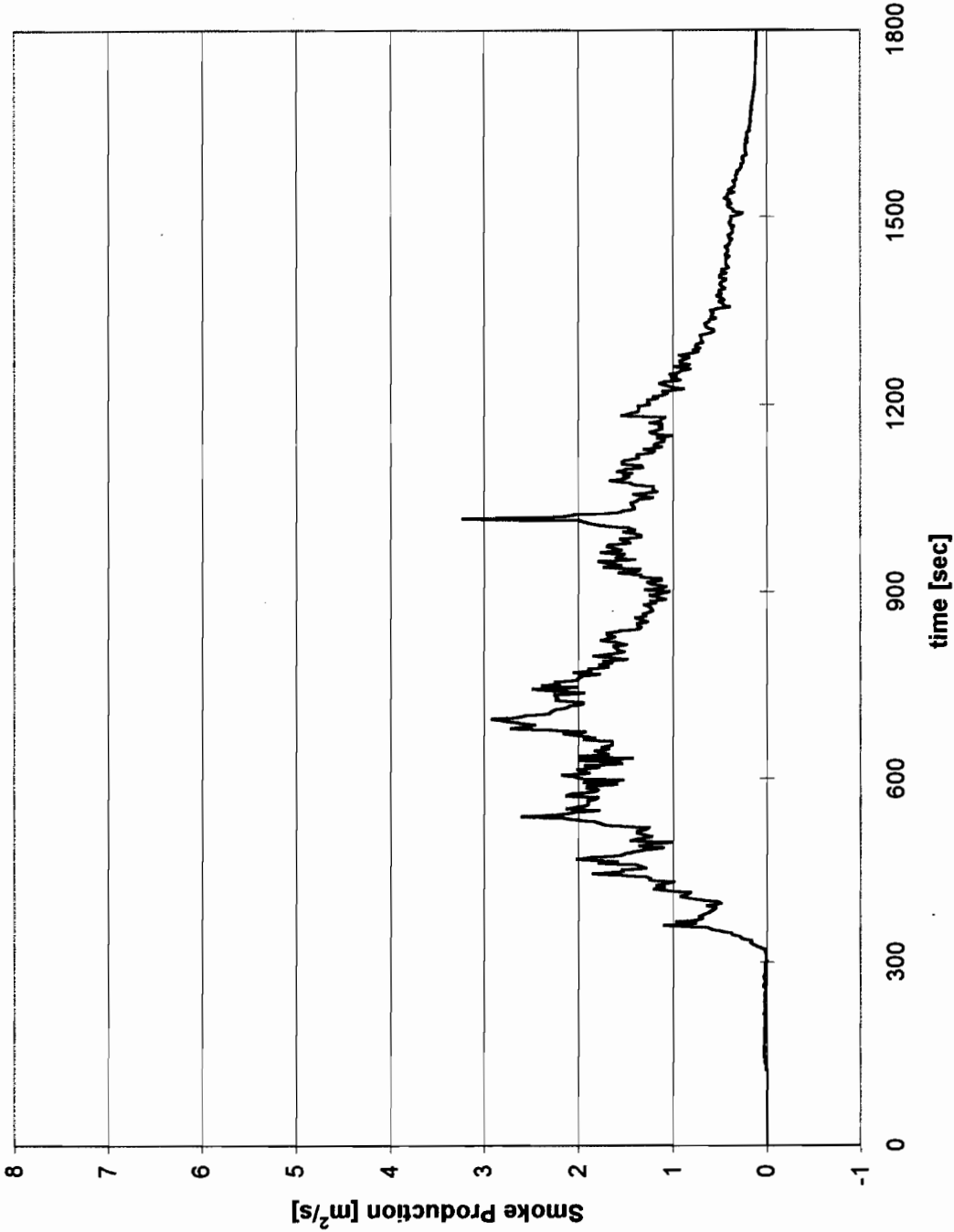
M02

1

01.09.97

v 4.1; 4 July '97

### Smoke Production



L04

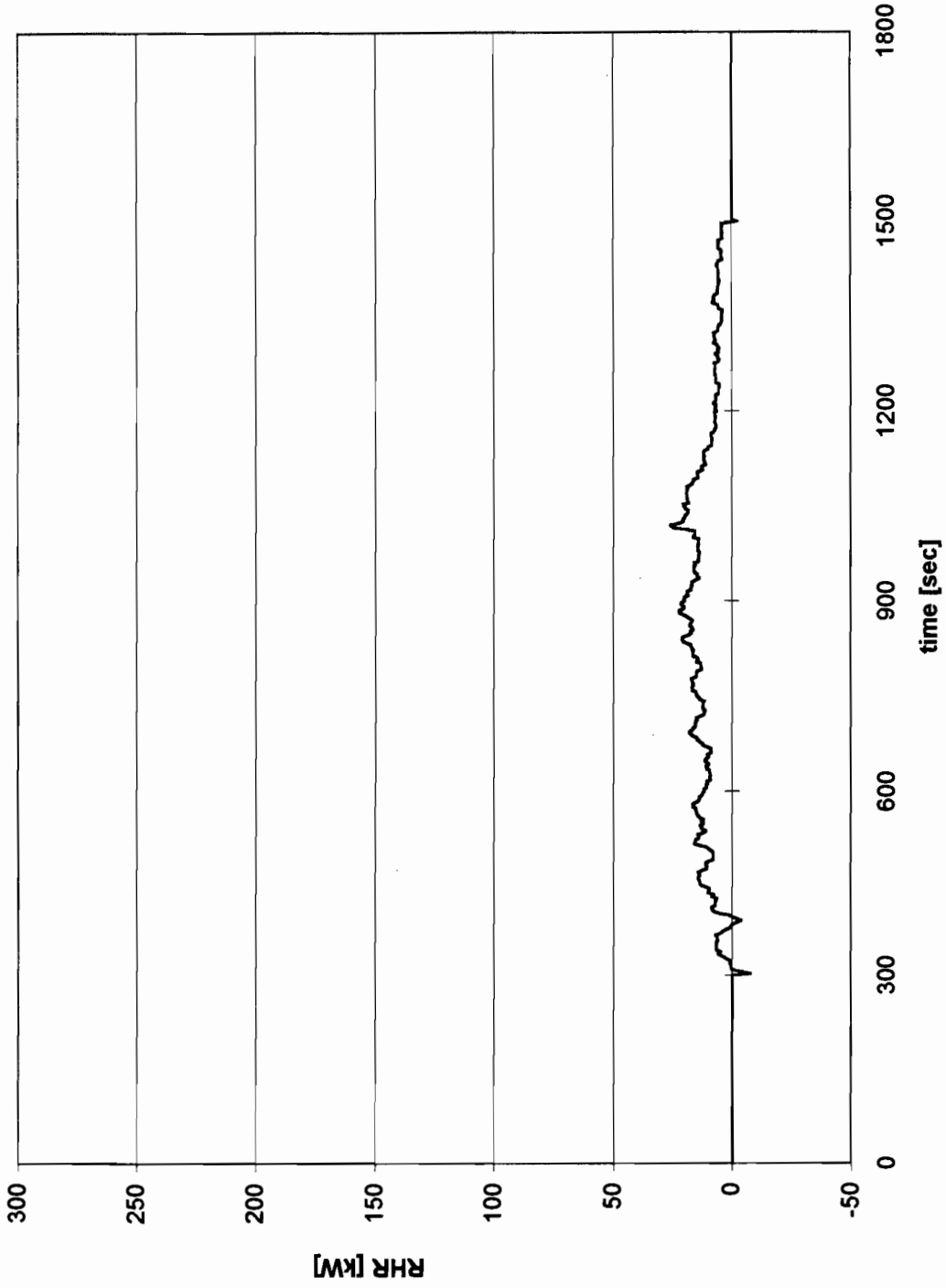
M02

1

01.09.97

v 4.1; 4 July '97

### RHR sample



L04

M02

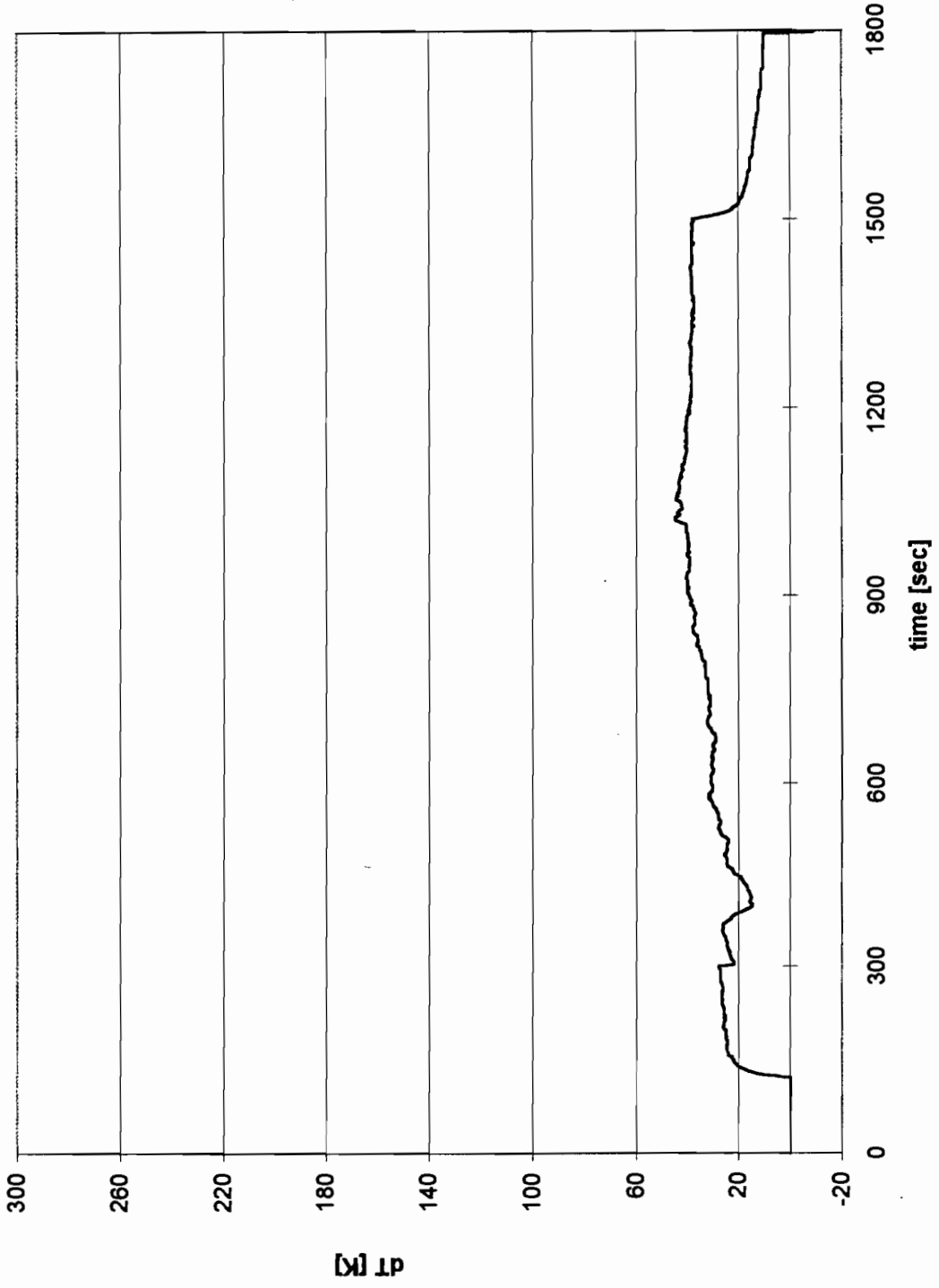
2

01.09.97

v 4.1; 4 July '97



*Temperature rise*



L04

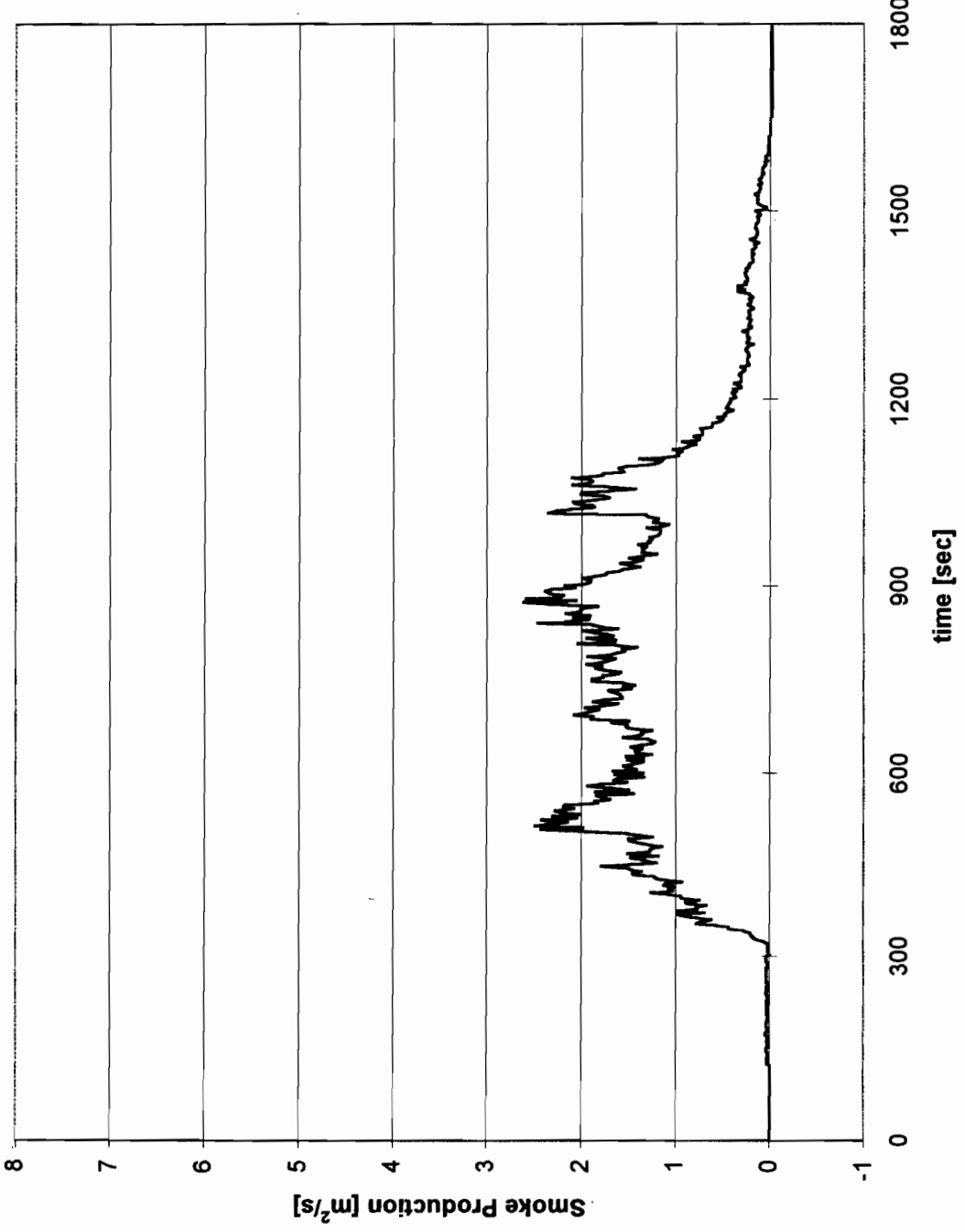
M02

2

01.09.97

v 4.1; 4 July '97

### Smoke Production



L04

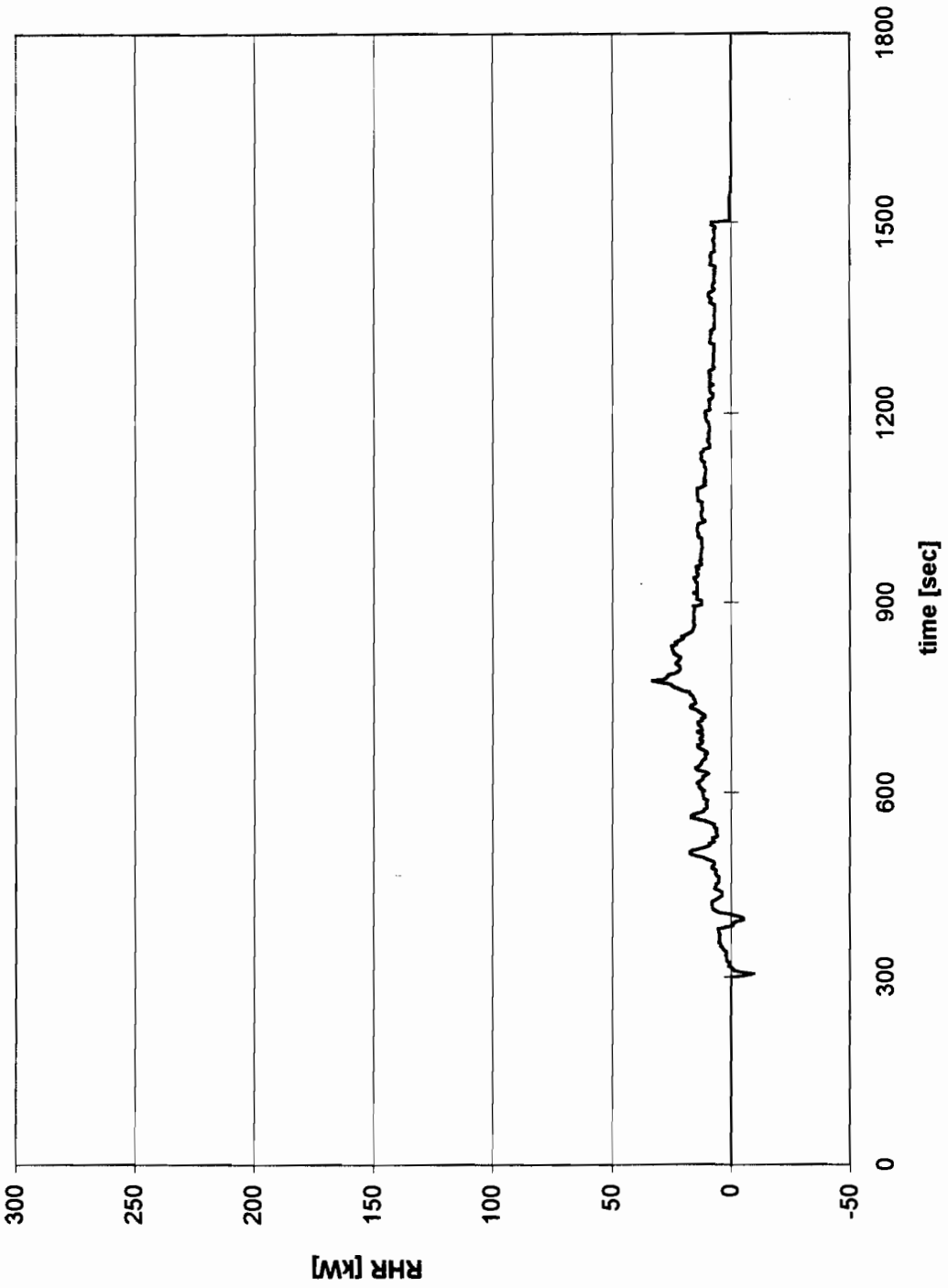
M02

2

01.09.97

v 4.1; 4 July '97

### RHR sample



L04

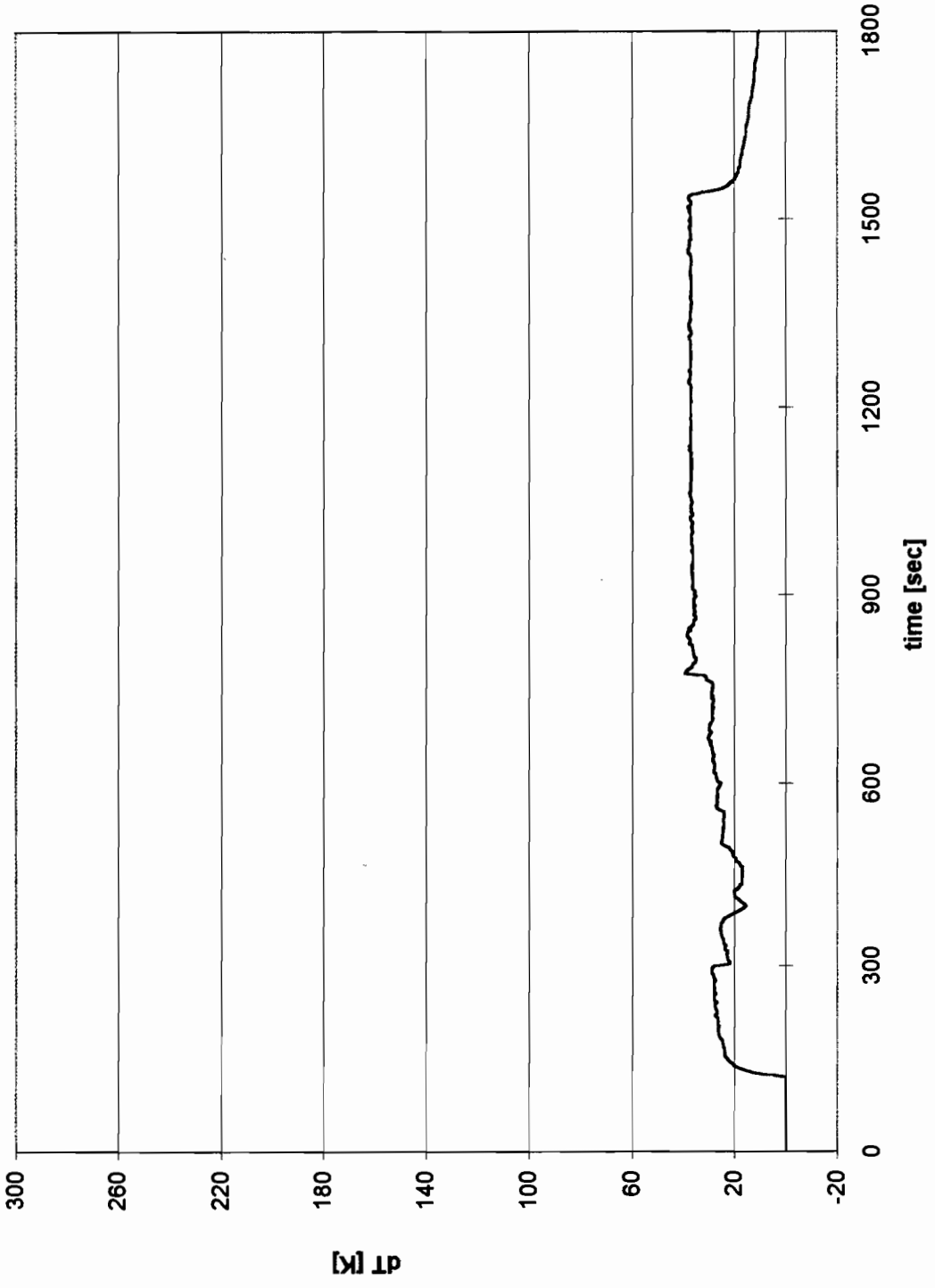
M02

3

01.09.97

v 4.1; 4 July '97

### Temperature rise



L04

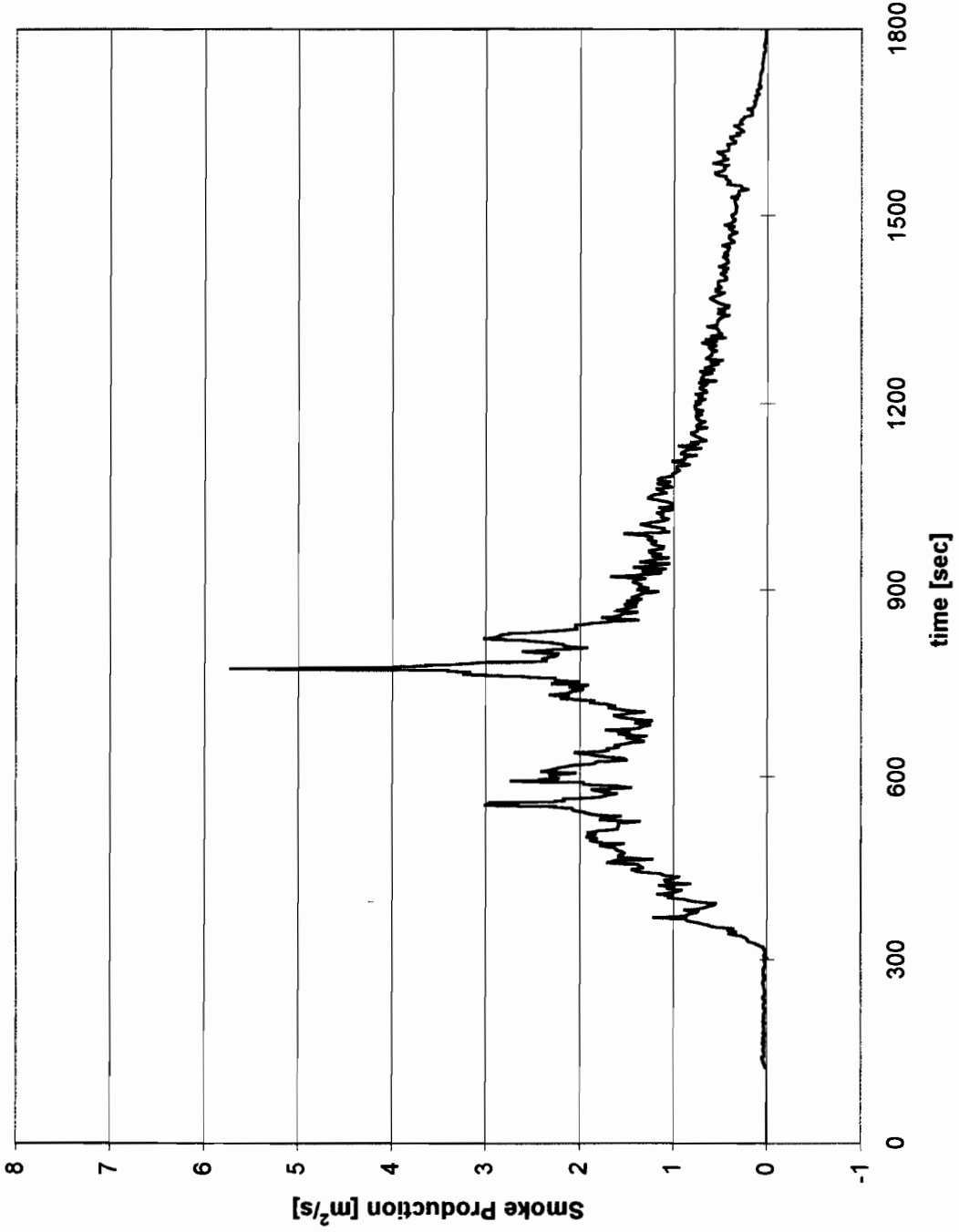
M02

3

01.09.97

v 4.1; 4 July '97

### Smoke Production



L04

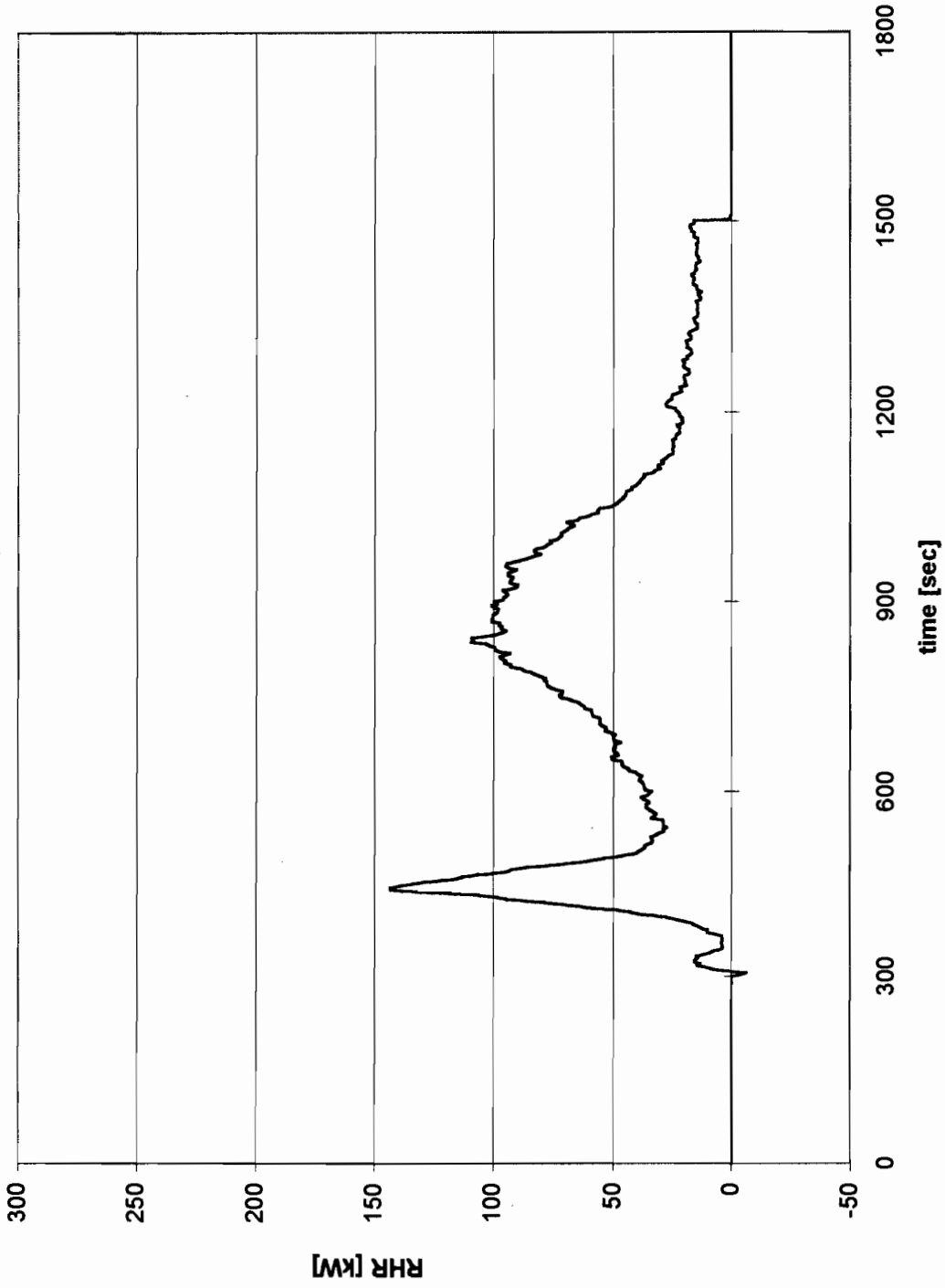
M02

3

01.09.97

v 4.1; 4 July '97

### RHR sample



L04

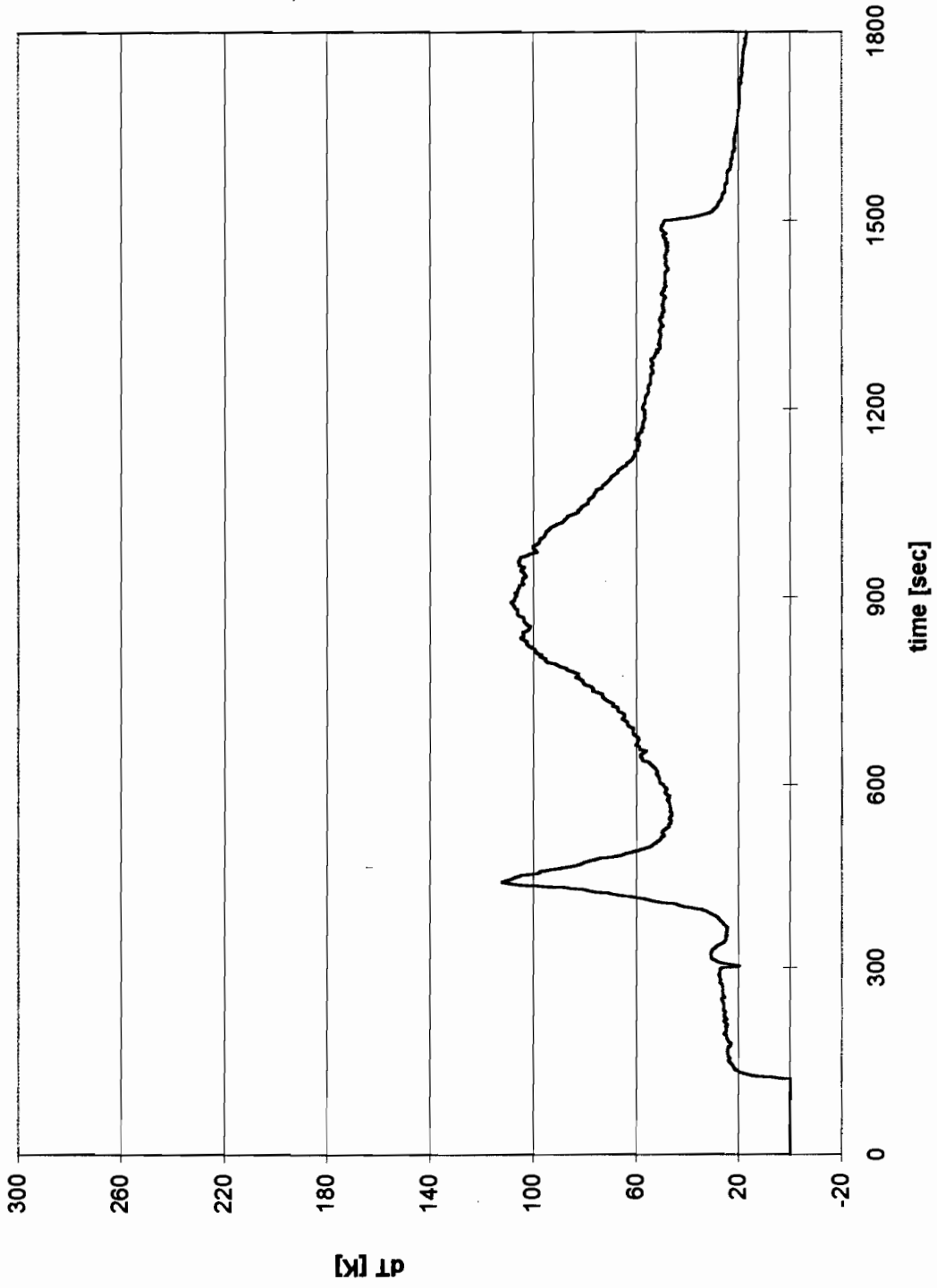
M03

1

21.08.97

v 4.1; 4 July '97

Temperature rise



L04

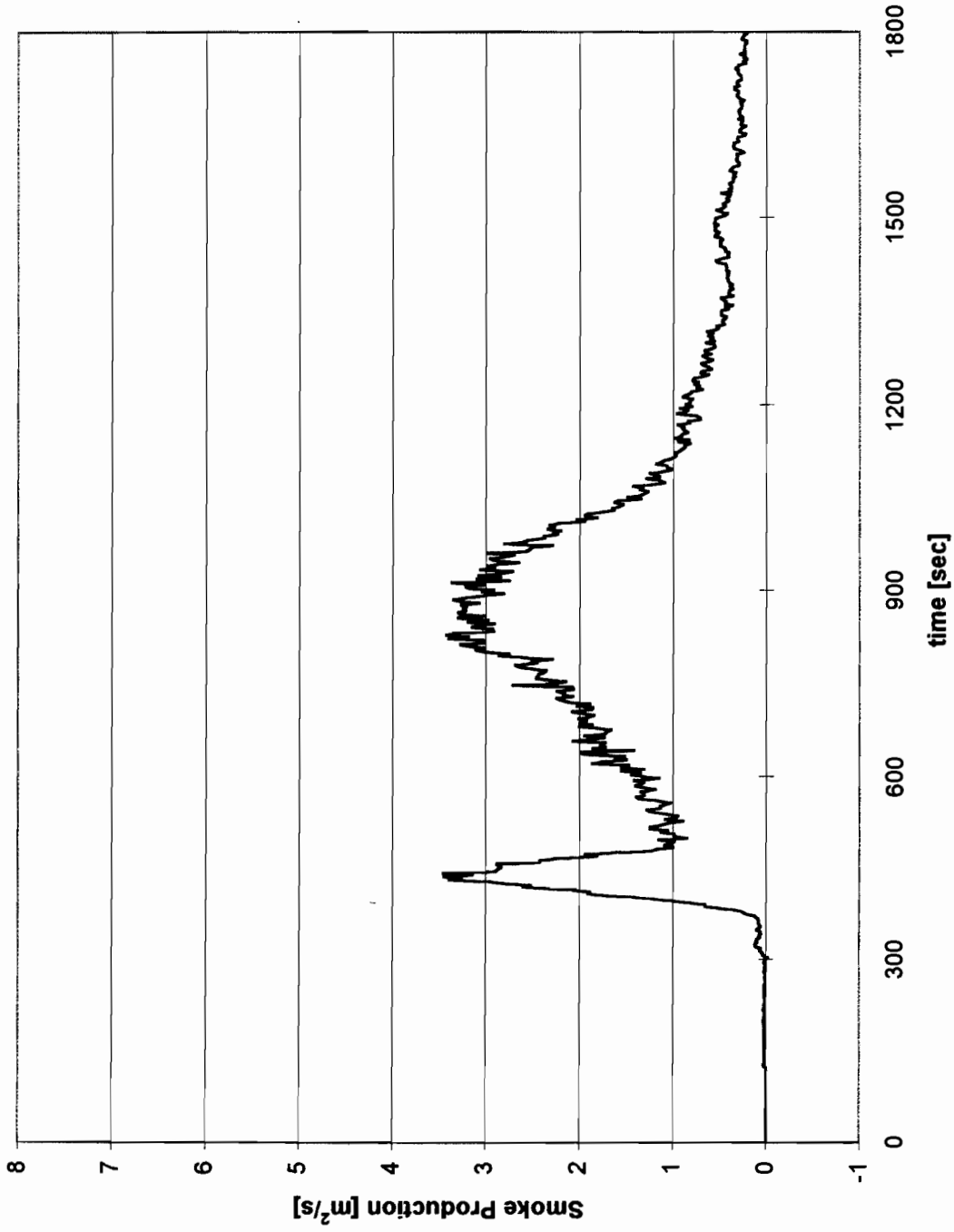
M03

1

21.08.97

v 4.1; 4 July '97

### Smoke Production



L04

M03

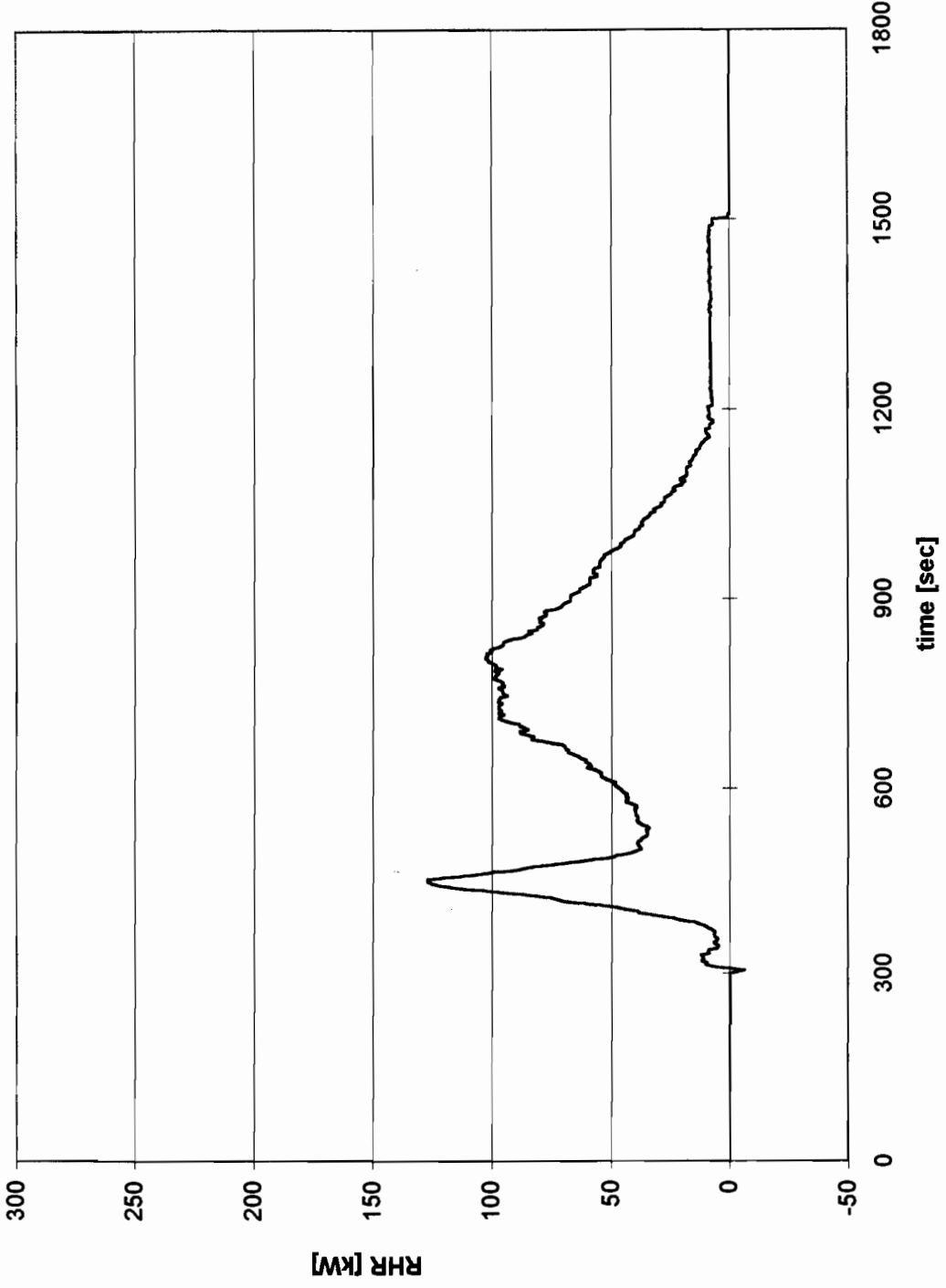
1

21.08.97

v 4.1; 4 July '97



### RHR sample



L04

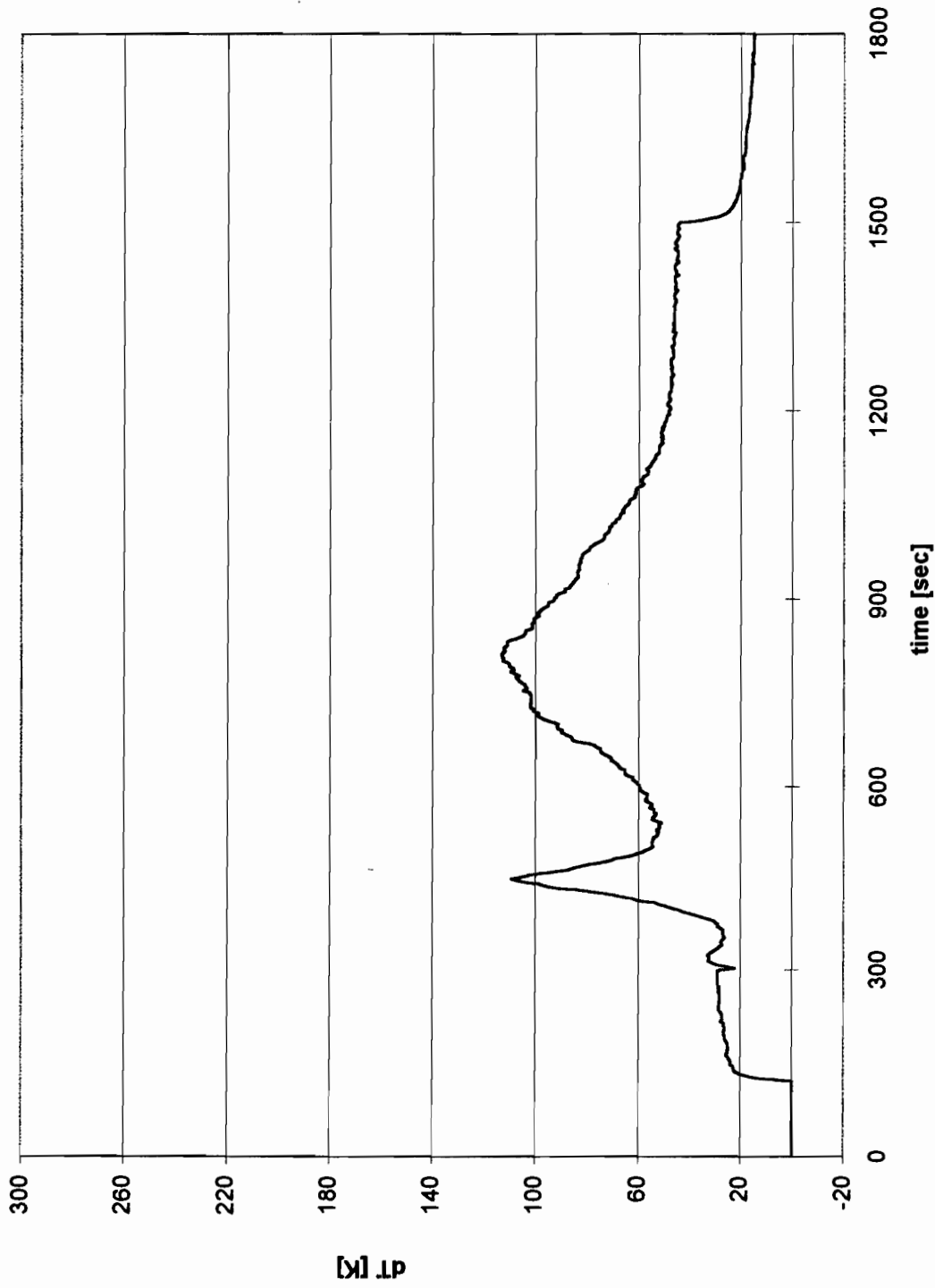
M03

2

25.08.97

v 4.1; 4 July '97

*Temperature rise*



L04

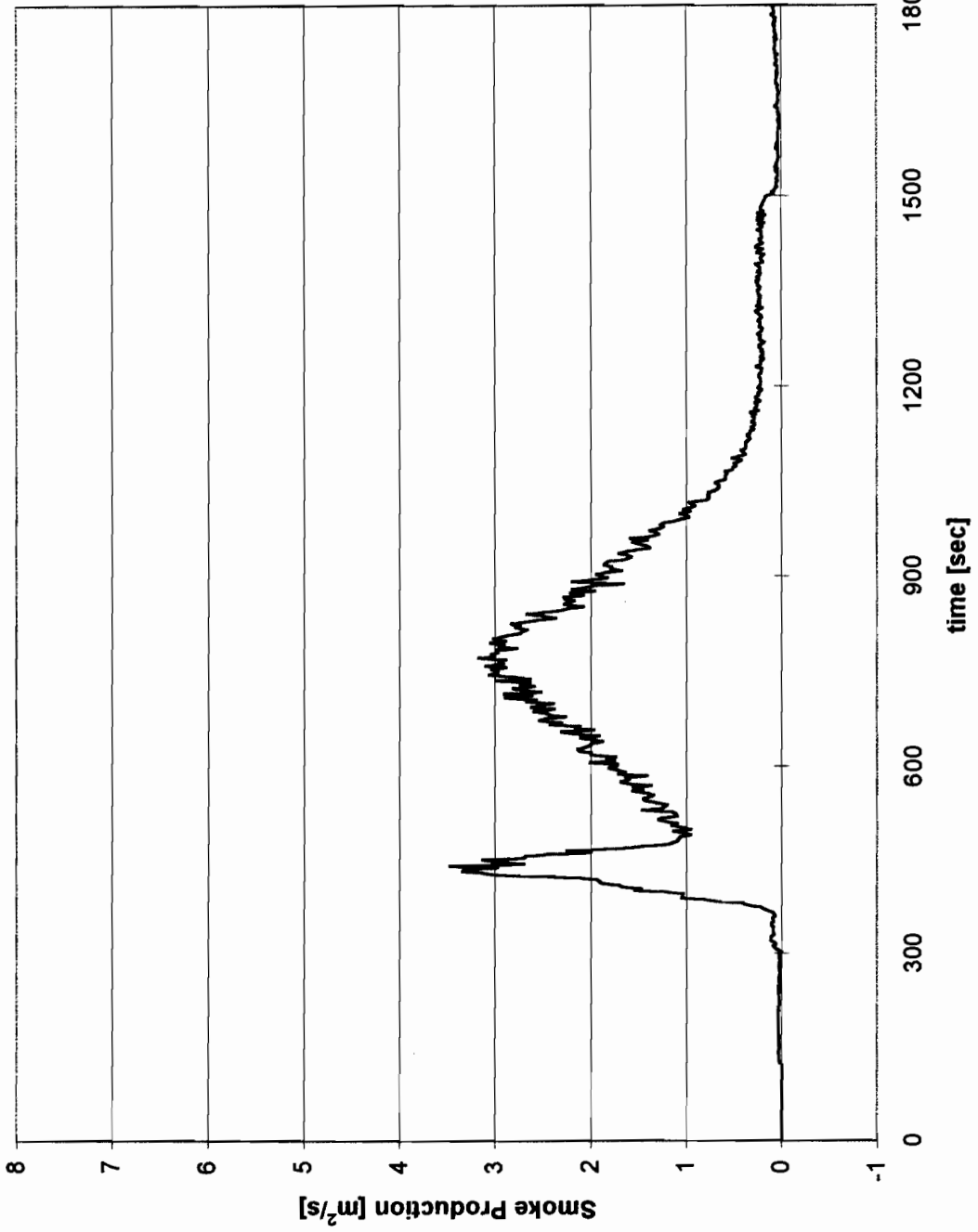
M03

2

25.08.97

v 4.1; 4 July '97

### Smoke Production



L04

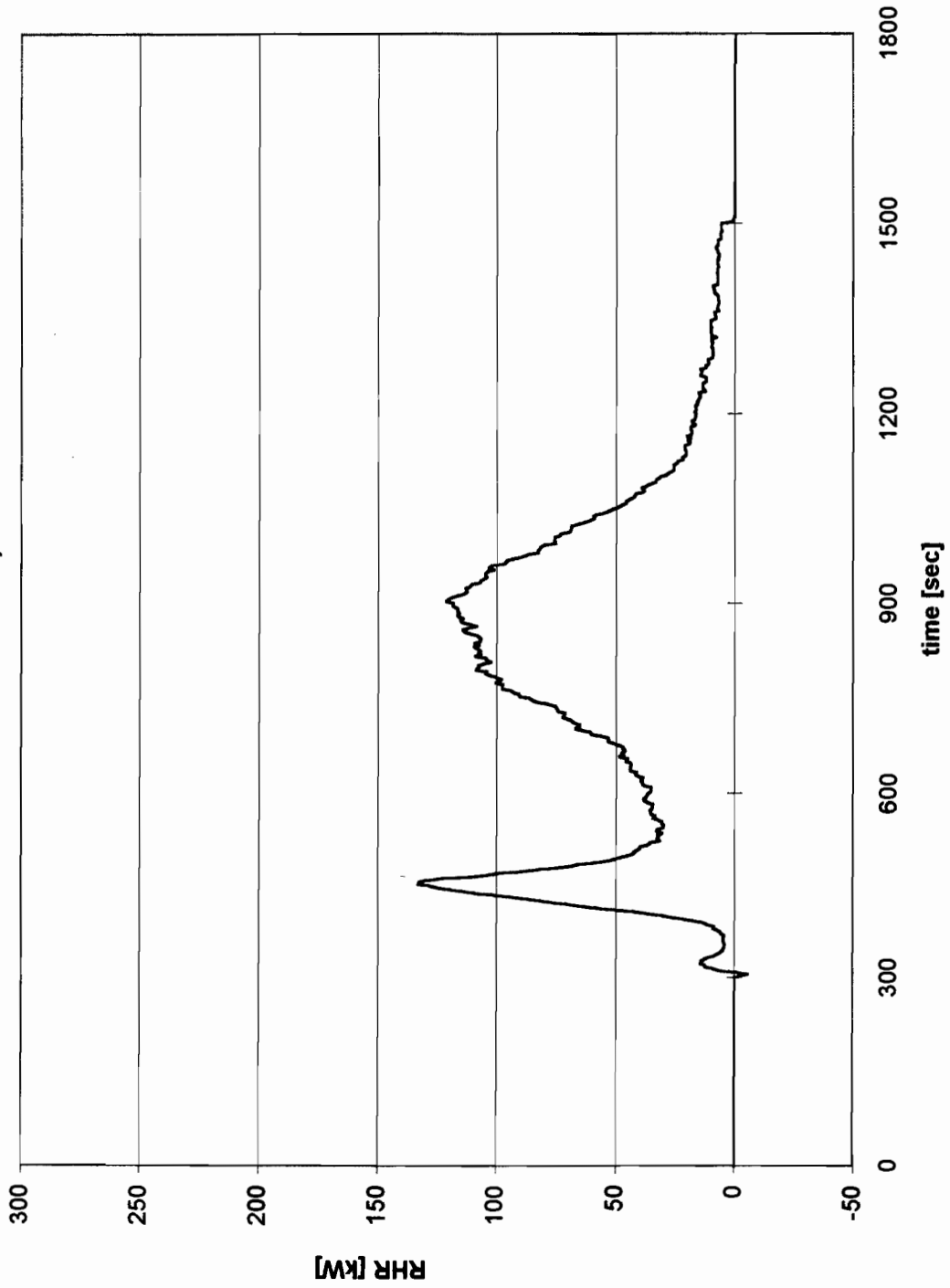
M03

2

25.08.97

v 4.1; 4 July '97

### RHR sample



L04

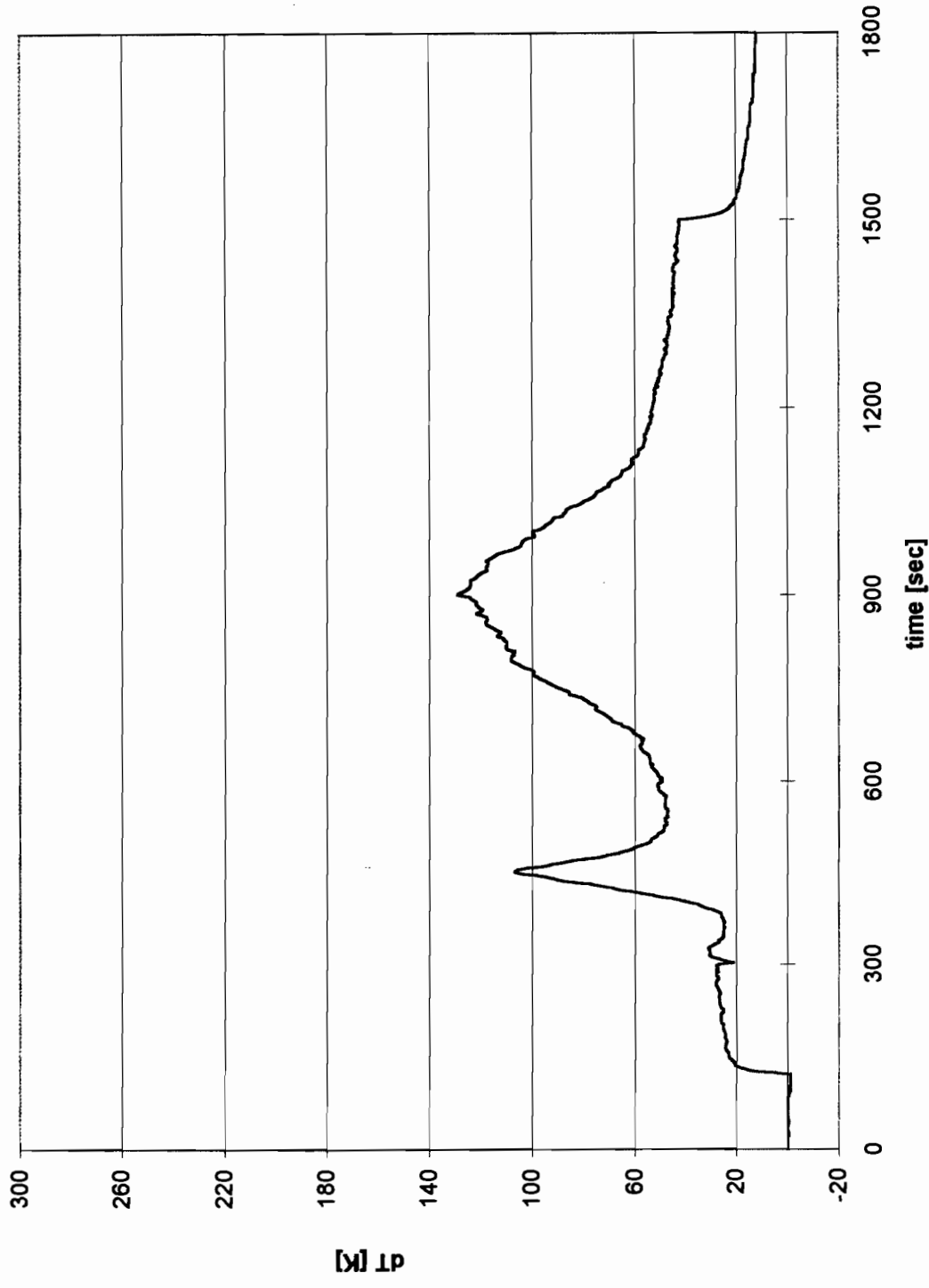
M03

3

25.08.97

v 4.1; 4 July '97

*Temperature rise*



L04

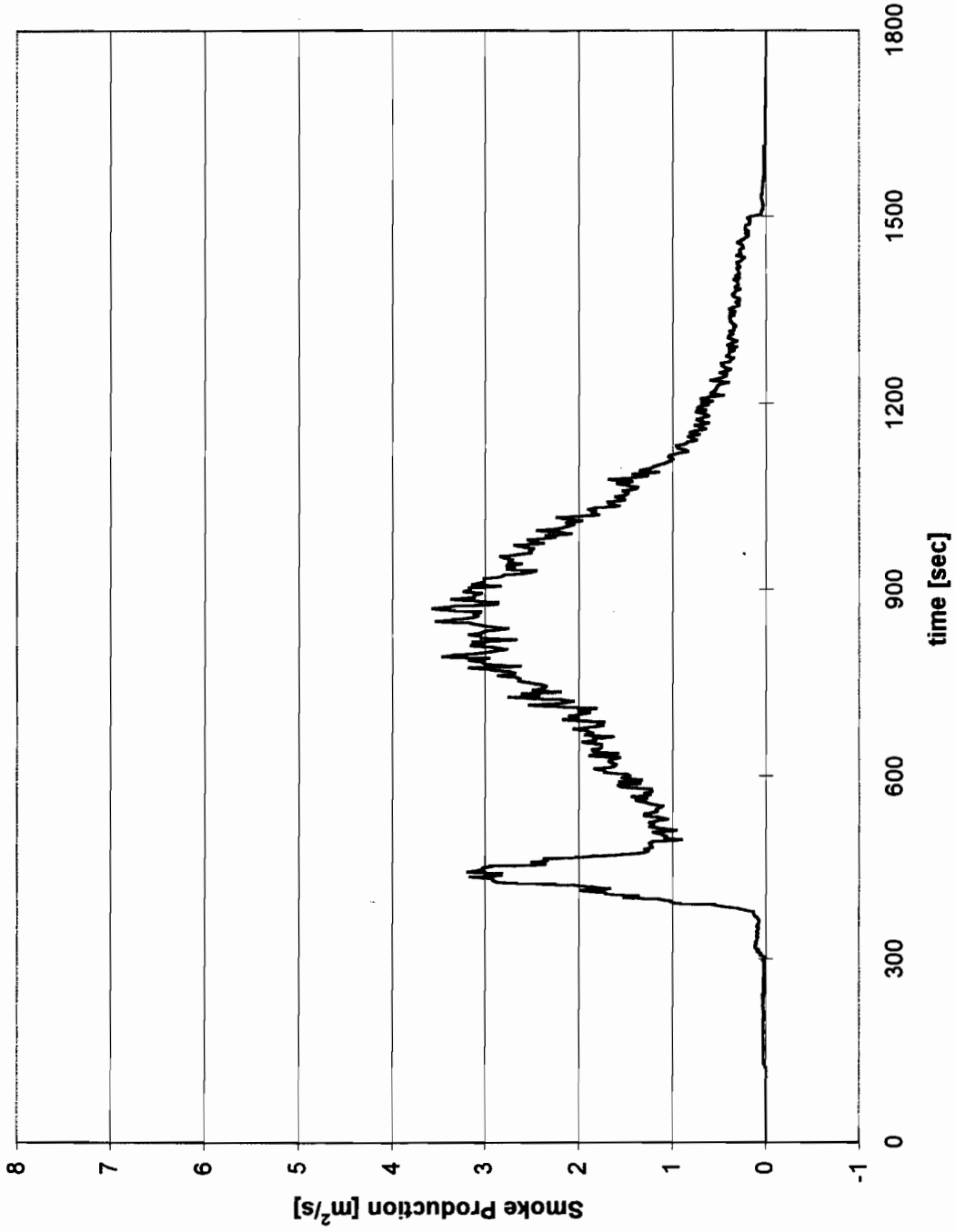
M03

3

25.08.97

v 4.1; 4 July '97

### Smoke Production



L04

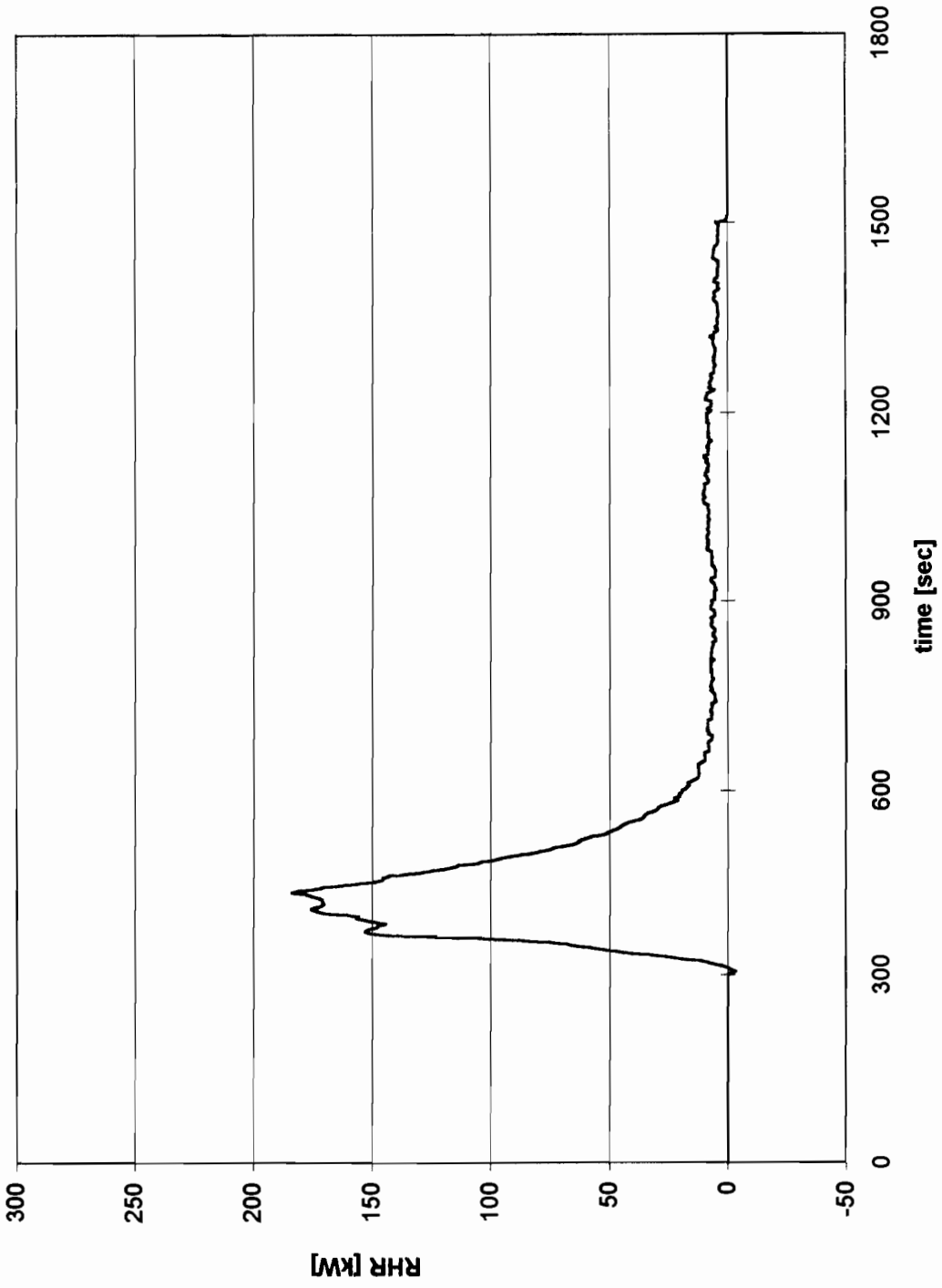
M03

3

25.08.97

v 4.1; 4 July '97

### RHR sample



L04

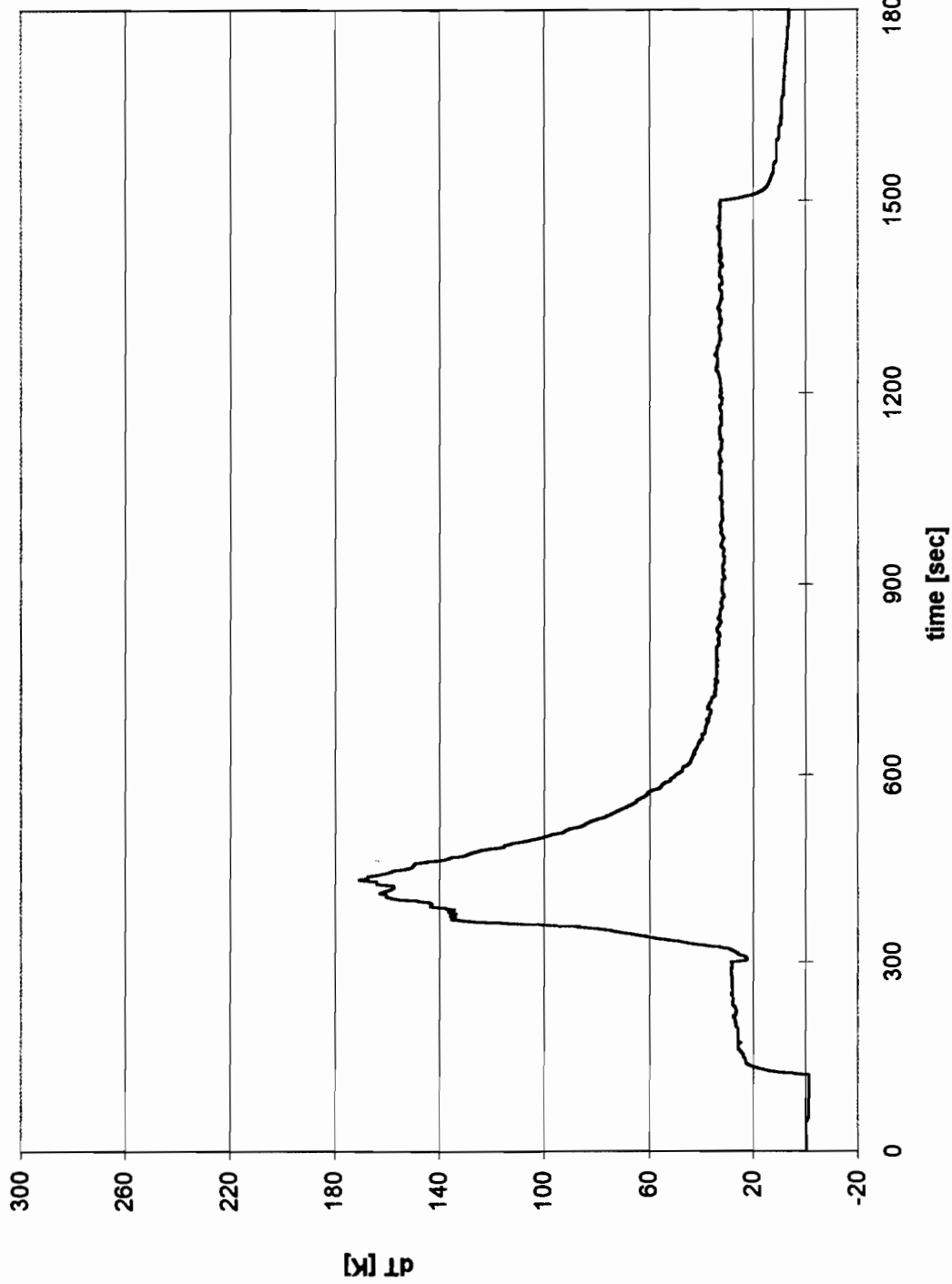
M04

1

14.08.97

v 4.1; 4 July '97

*Temperature rise*



L04

M04

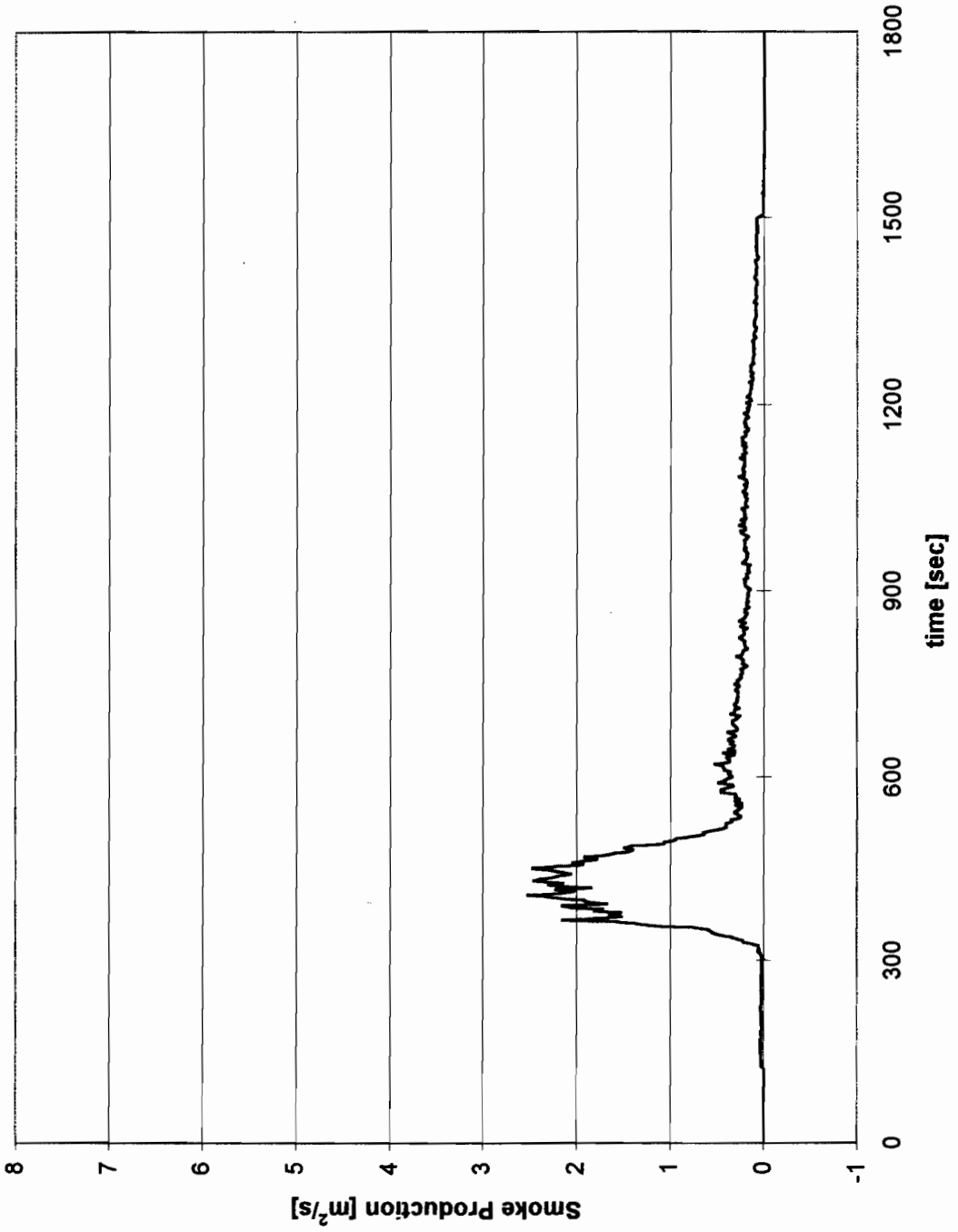
1

14.08.97

v 4.1; 4 July '97



### Smoke Production



L04

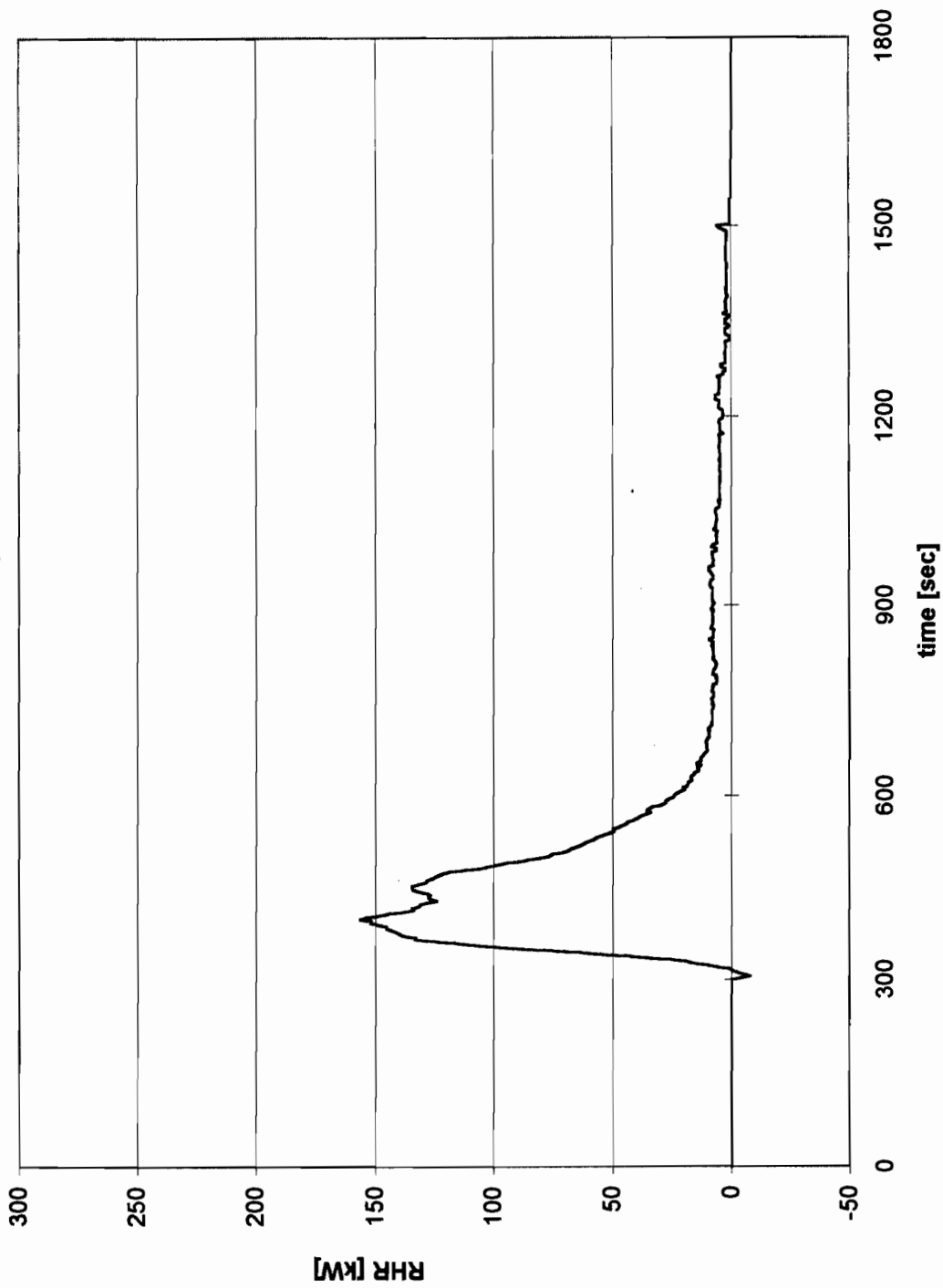
M04

1

14.08.97

v 4.1; 4 July '97

### RHR sample



L04

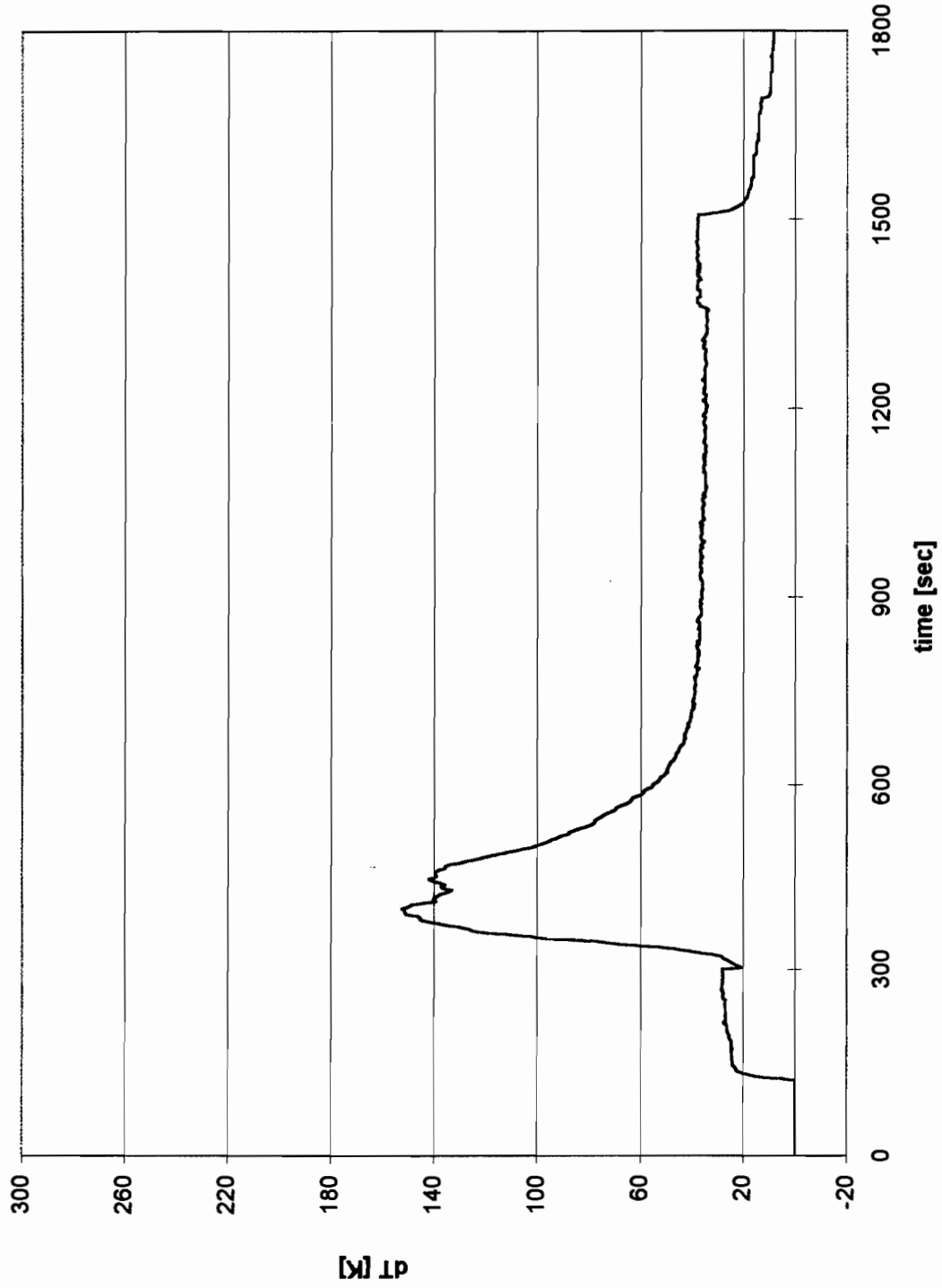
M04

2

21.08.97

v 4.1; 4 July '97

Temperature rise



L04

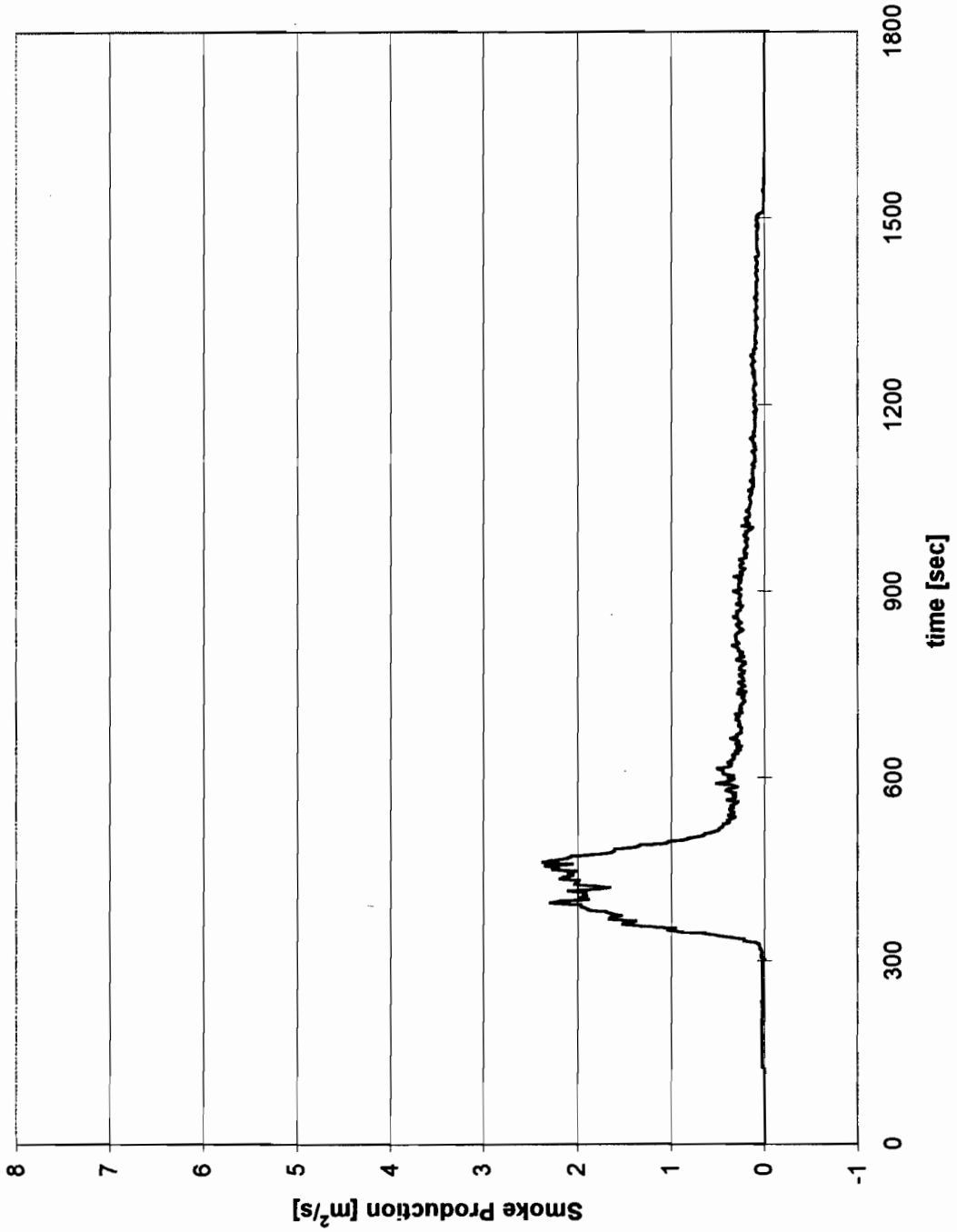
M04

2

21.08.97

v 4.1; 4 July '97

# Smoke Production



L04

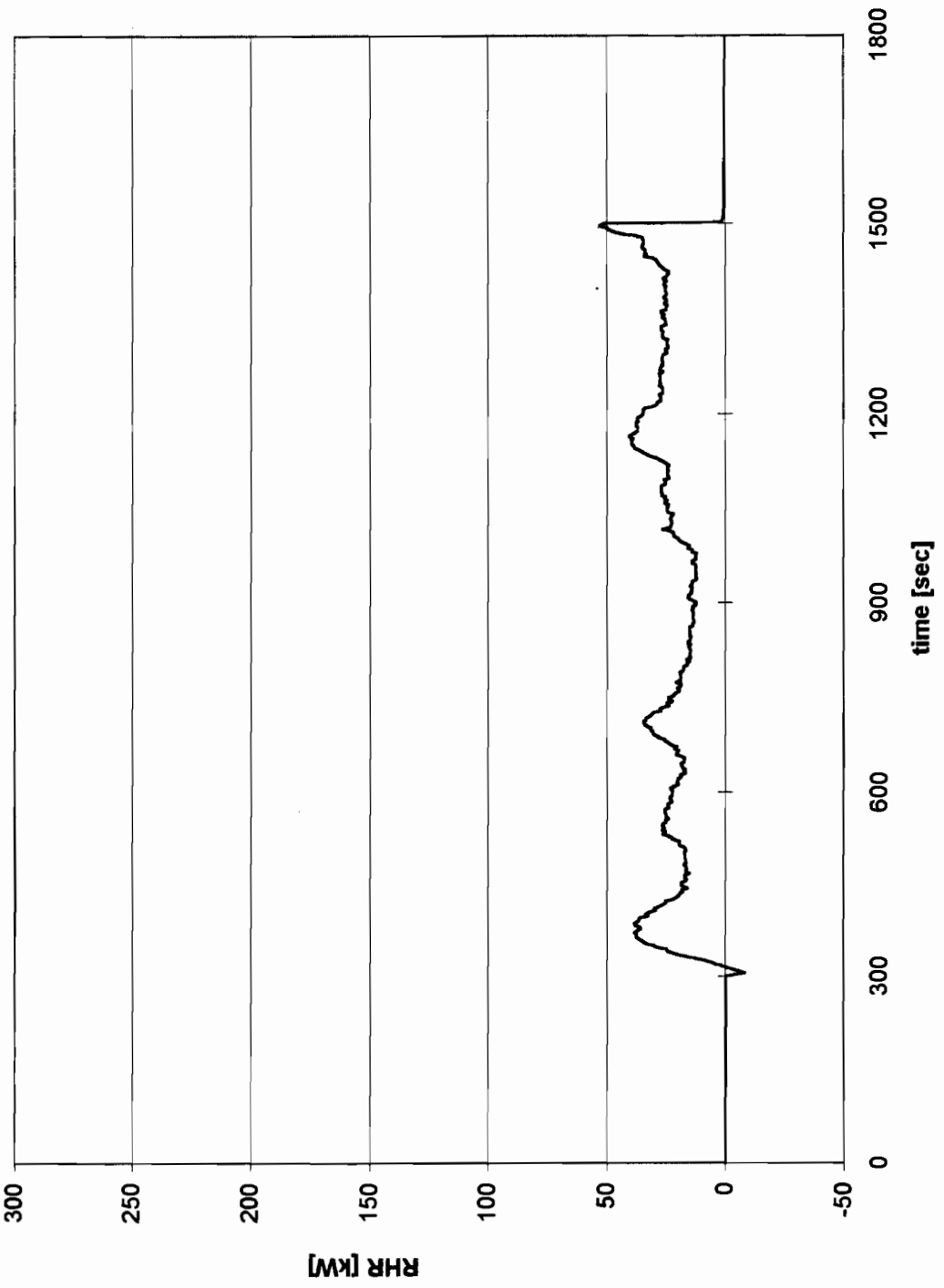
M04

2

21.08.97

v 4.1; 4 July '97

### RHR sample



L04

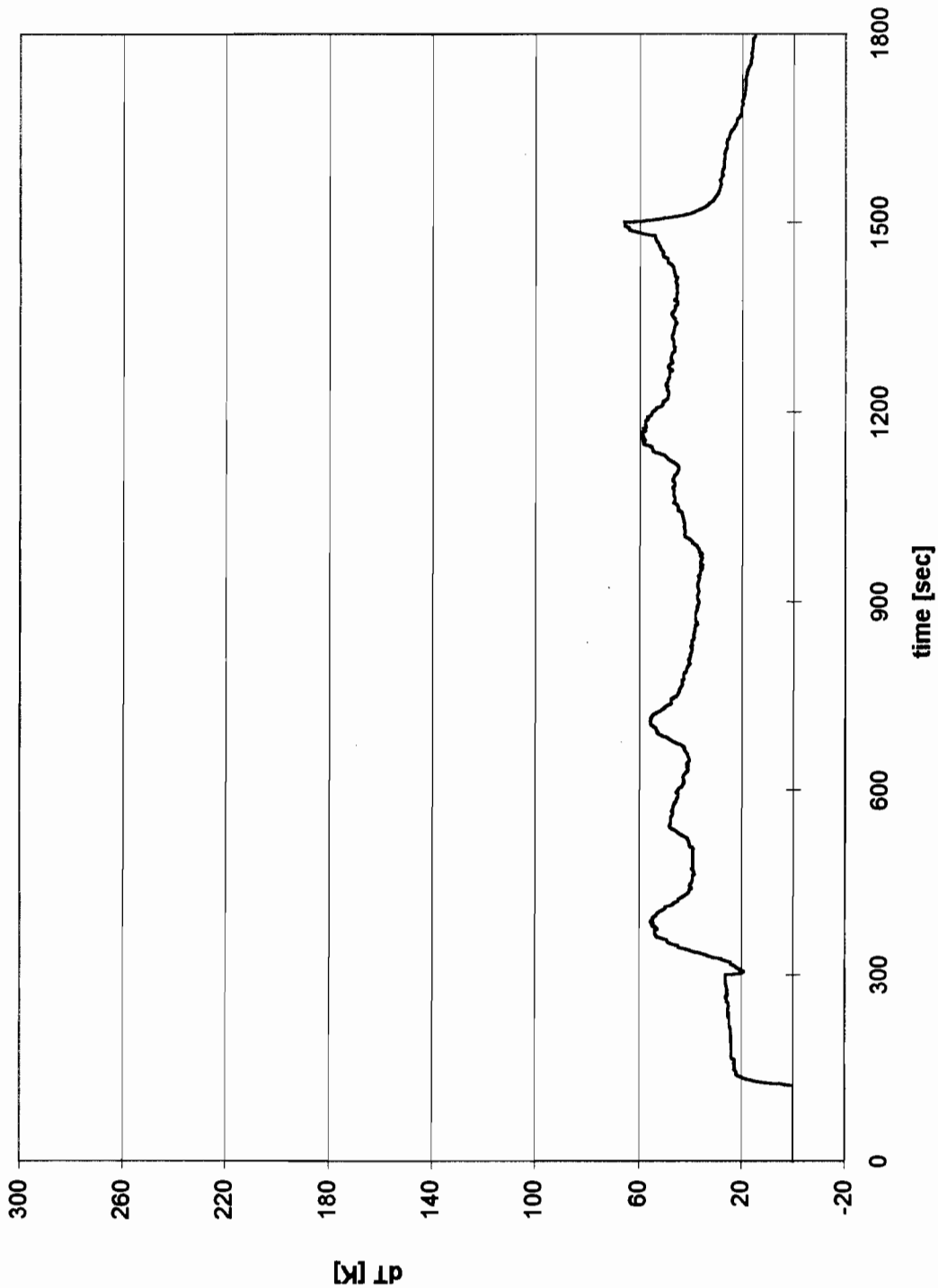
M05

1

11.08.97

v 4.1; 4 July '97

### Temperature rise



L04

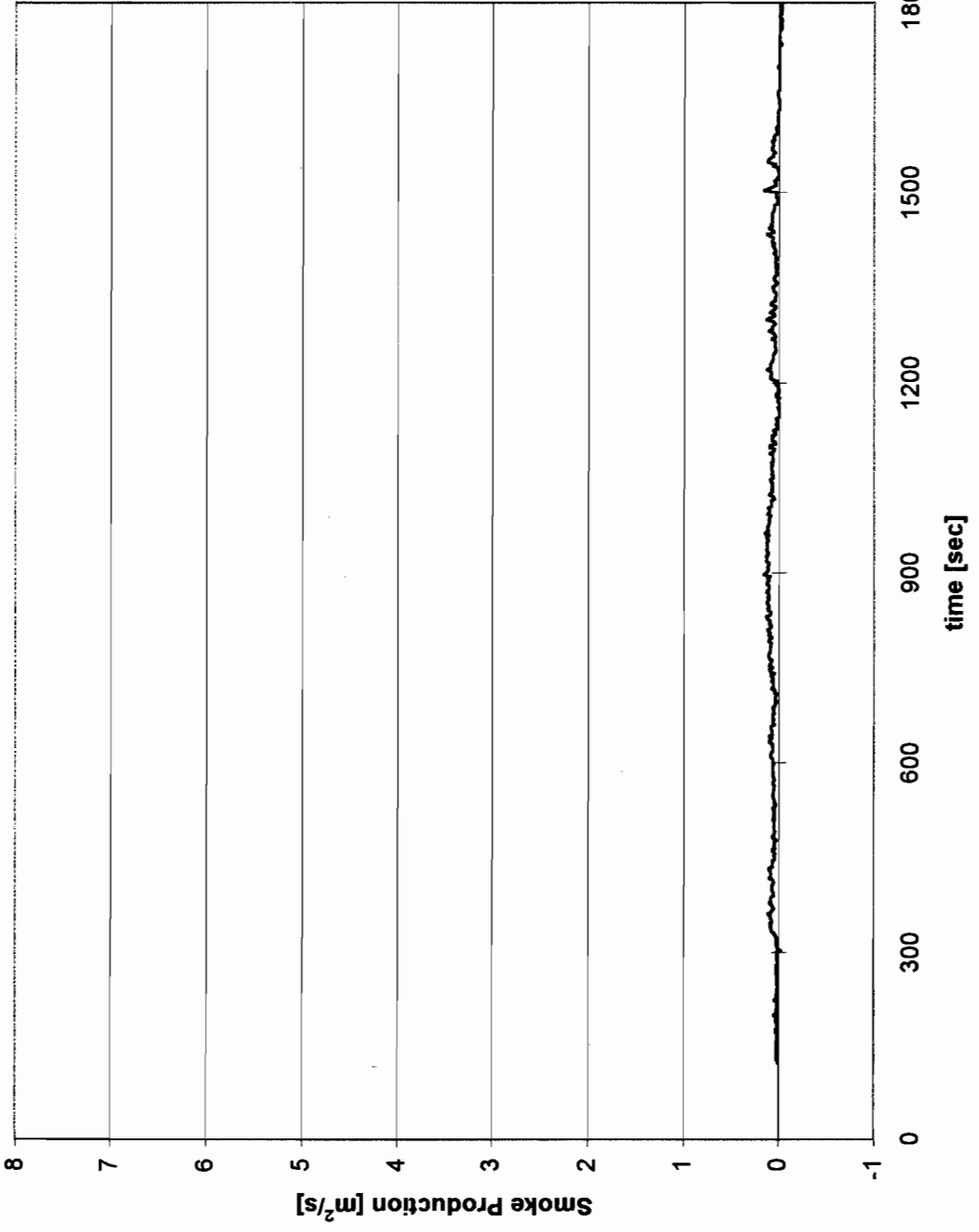
M05

1

11.08.97

v 4.1; 4 July '97

# Smoke Production



L04

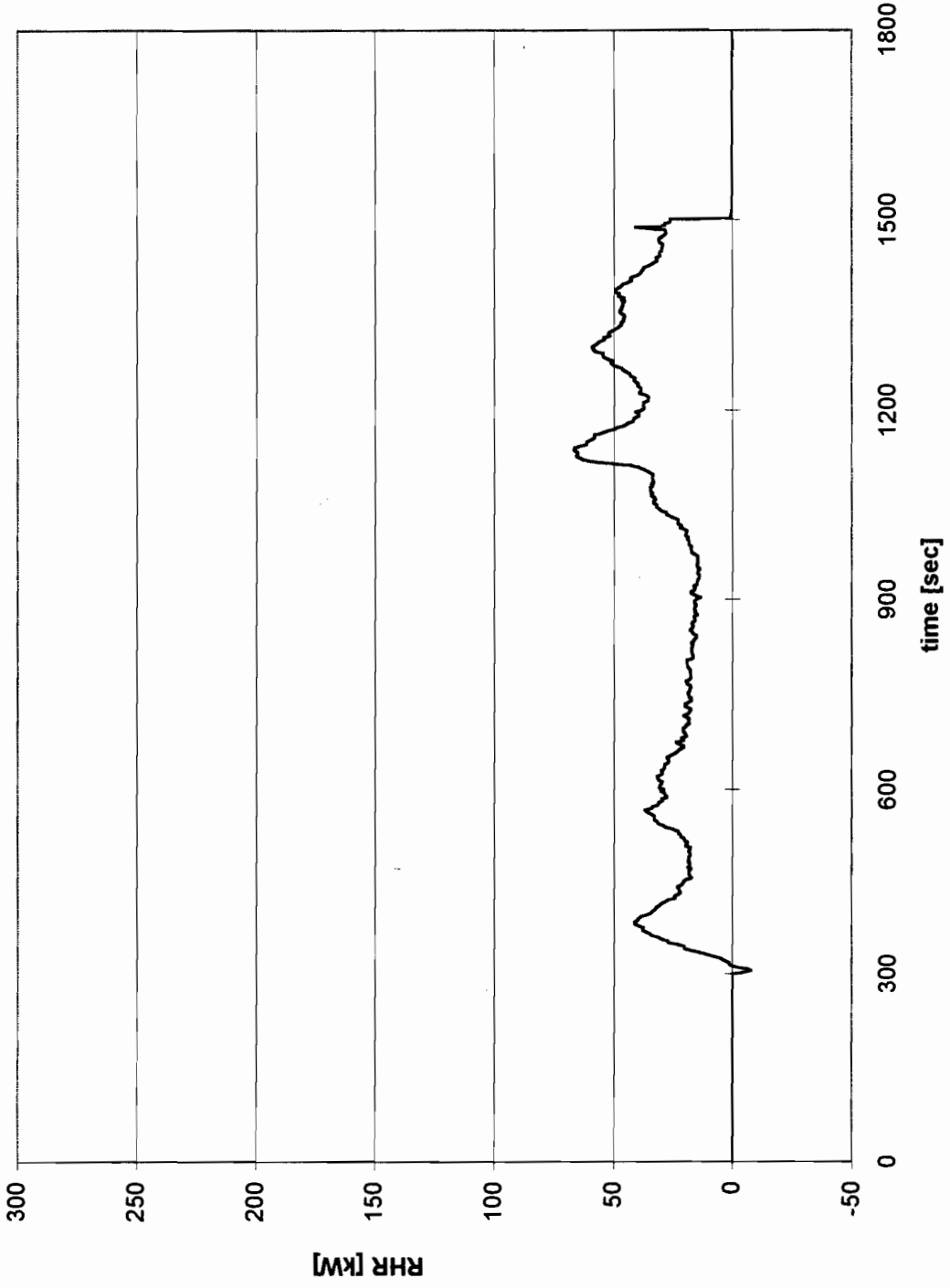
M05

1

11.08.97

v 4.1; 4 July '97

### RHR sample



L04

M05

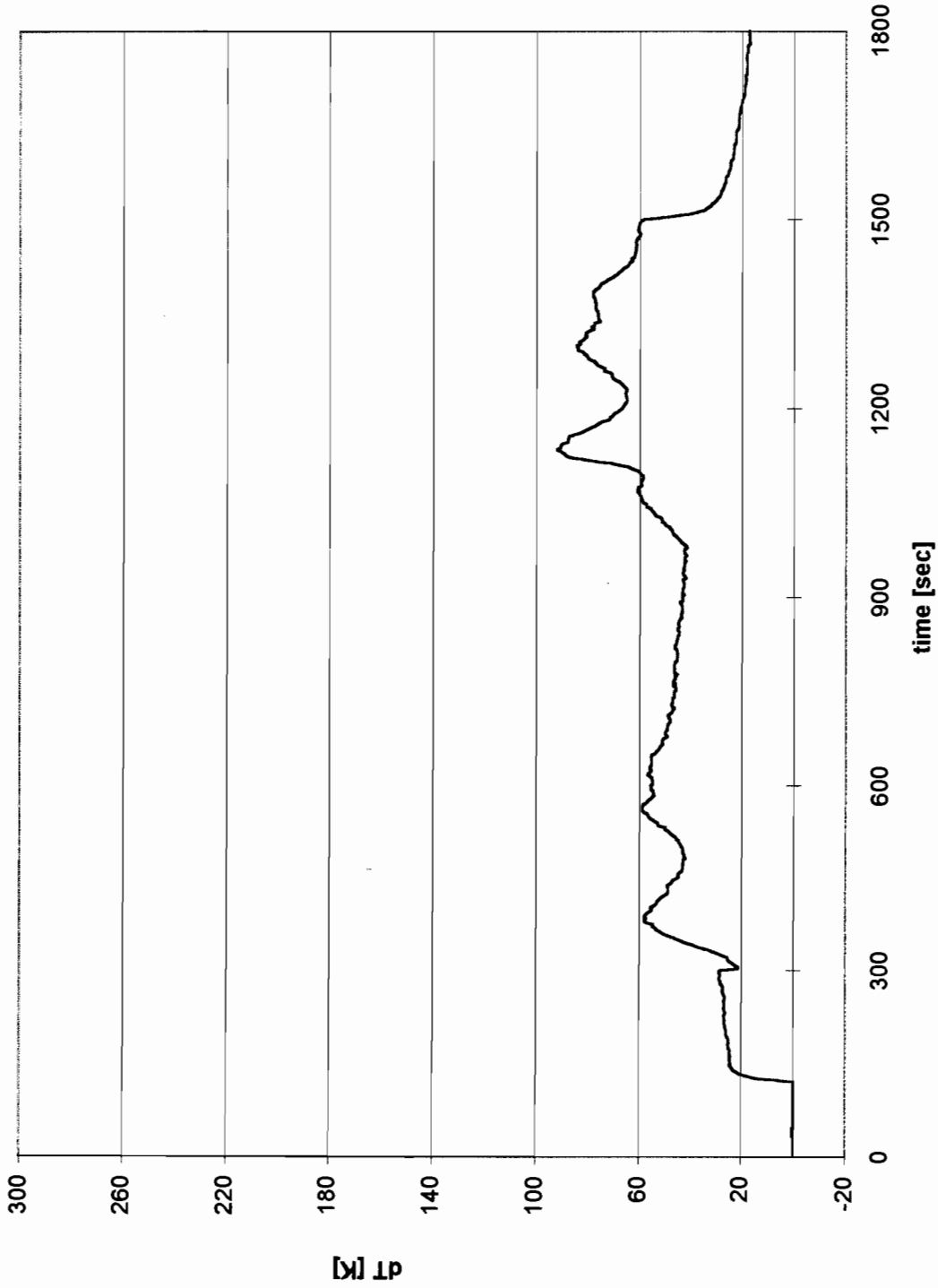
2

11.08.97

v 4.1; 4 July '97



### Temperature rise



L04

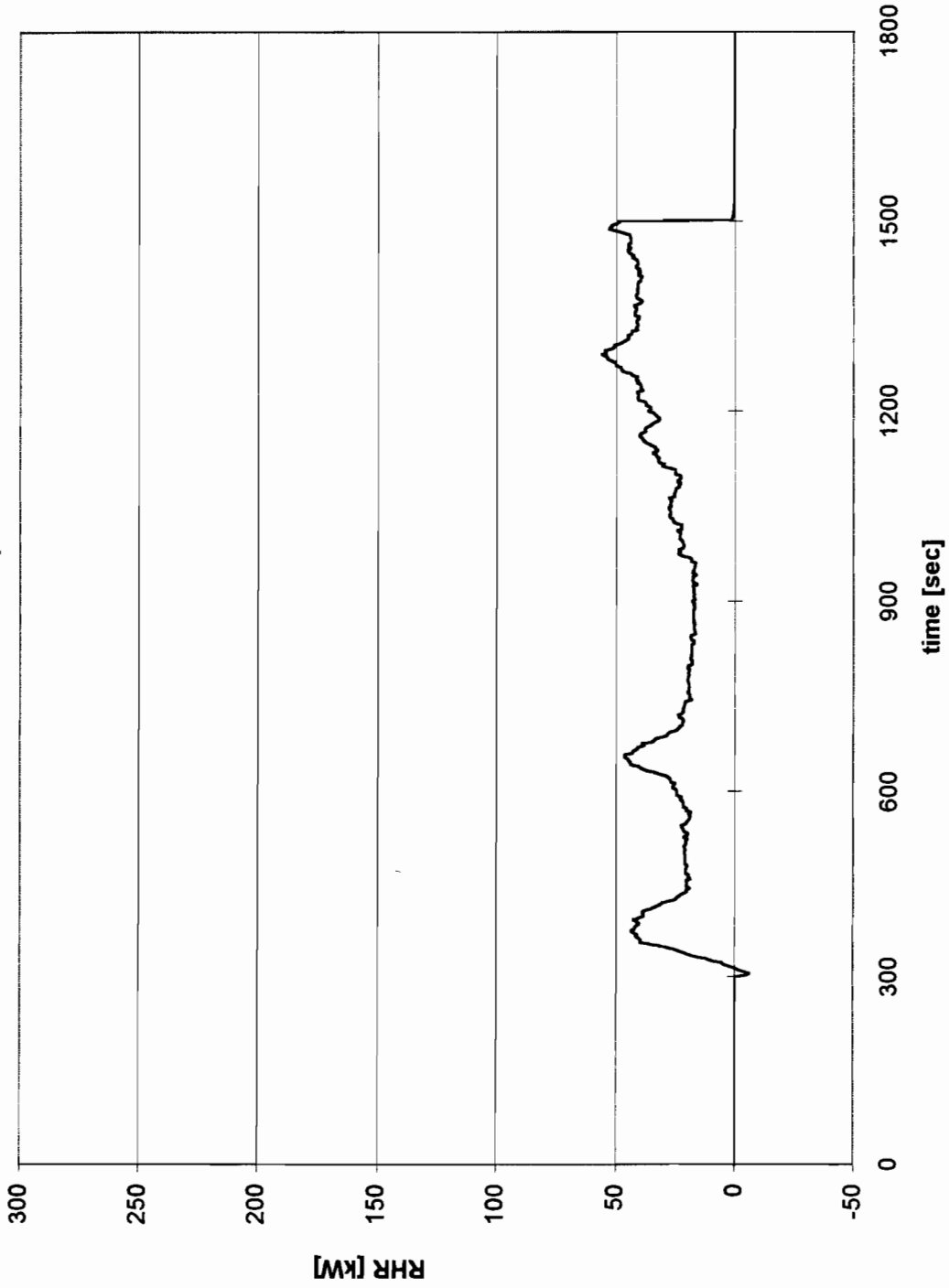
M05

2

11.08.97

v 4.1; 4 July '97

*RHR sample*



L04

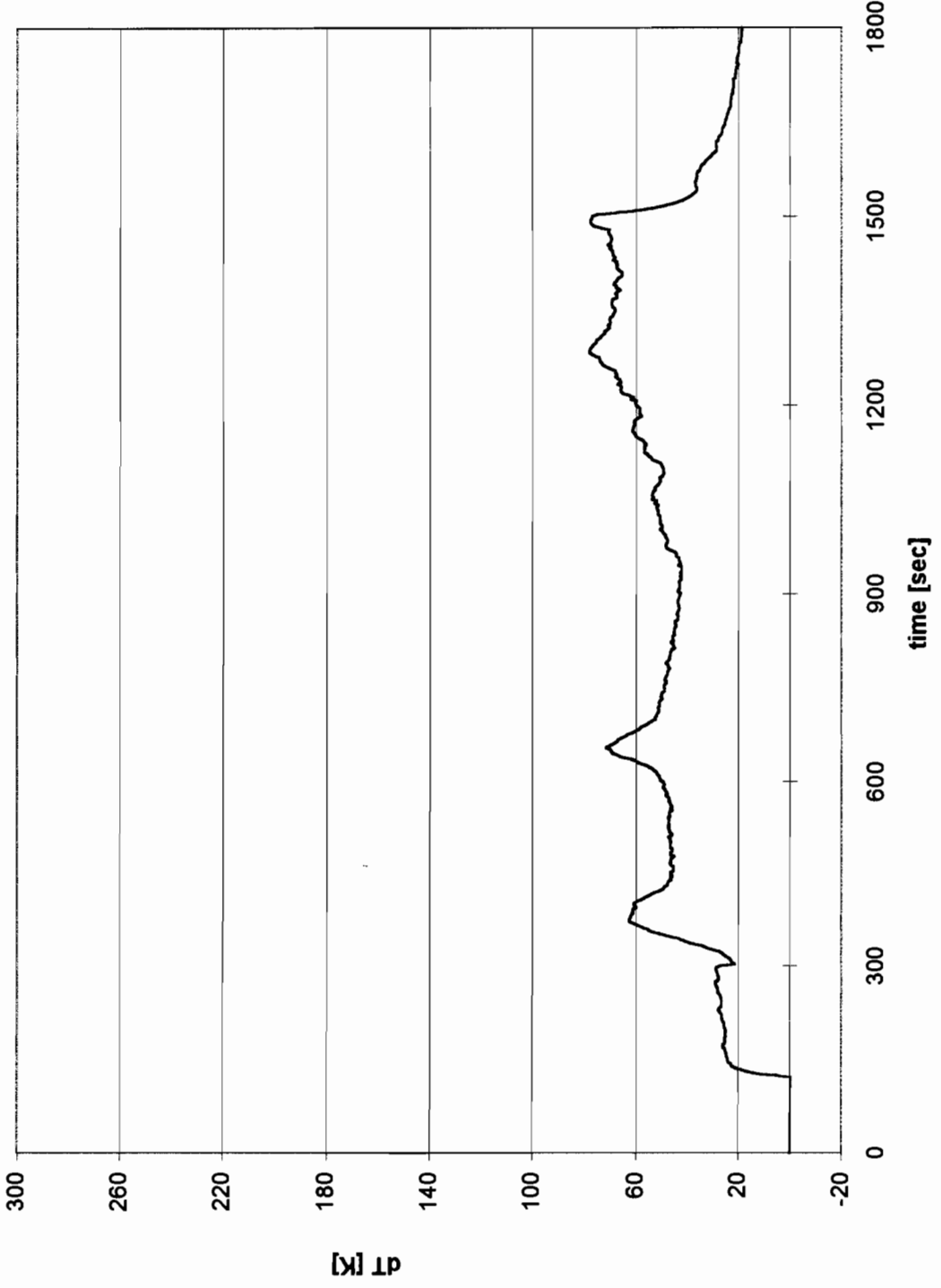
M05

3

13.08.97

v 4.1; 4 July '97

### Temperature rise



L04

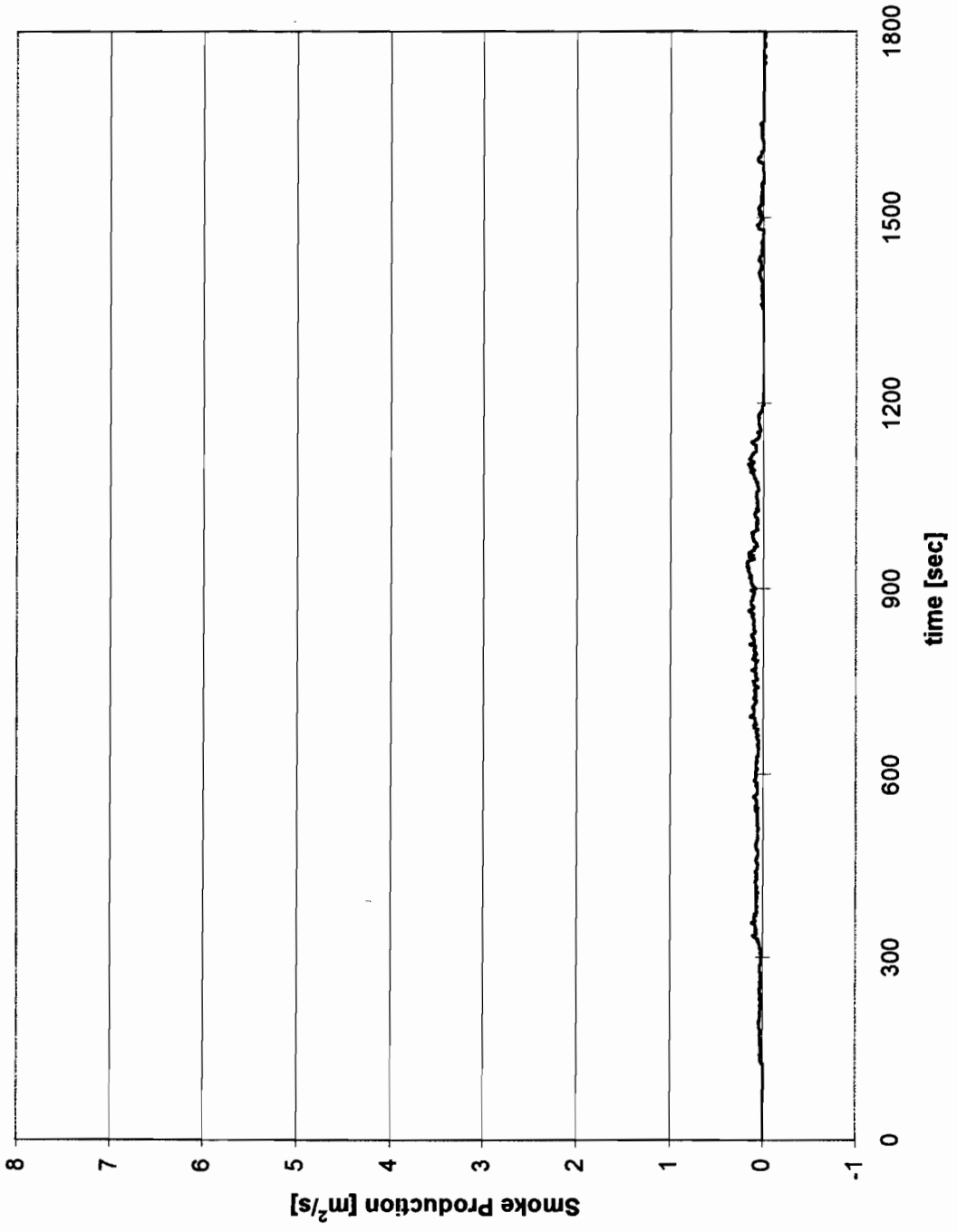
M05

3

13.08.97

v 4.1; 4 July '97

# Smoke Production



L04

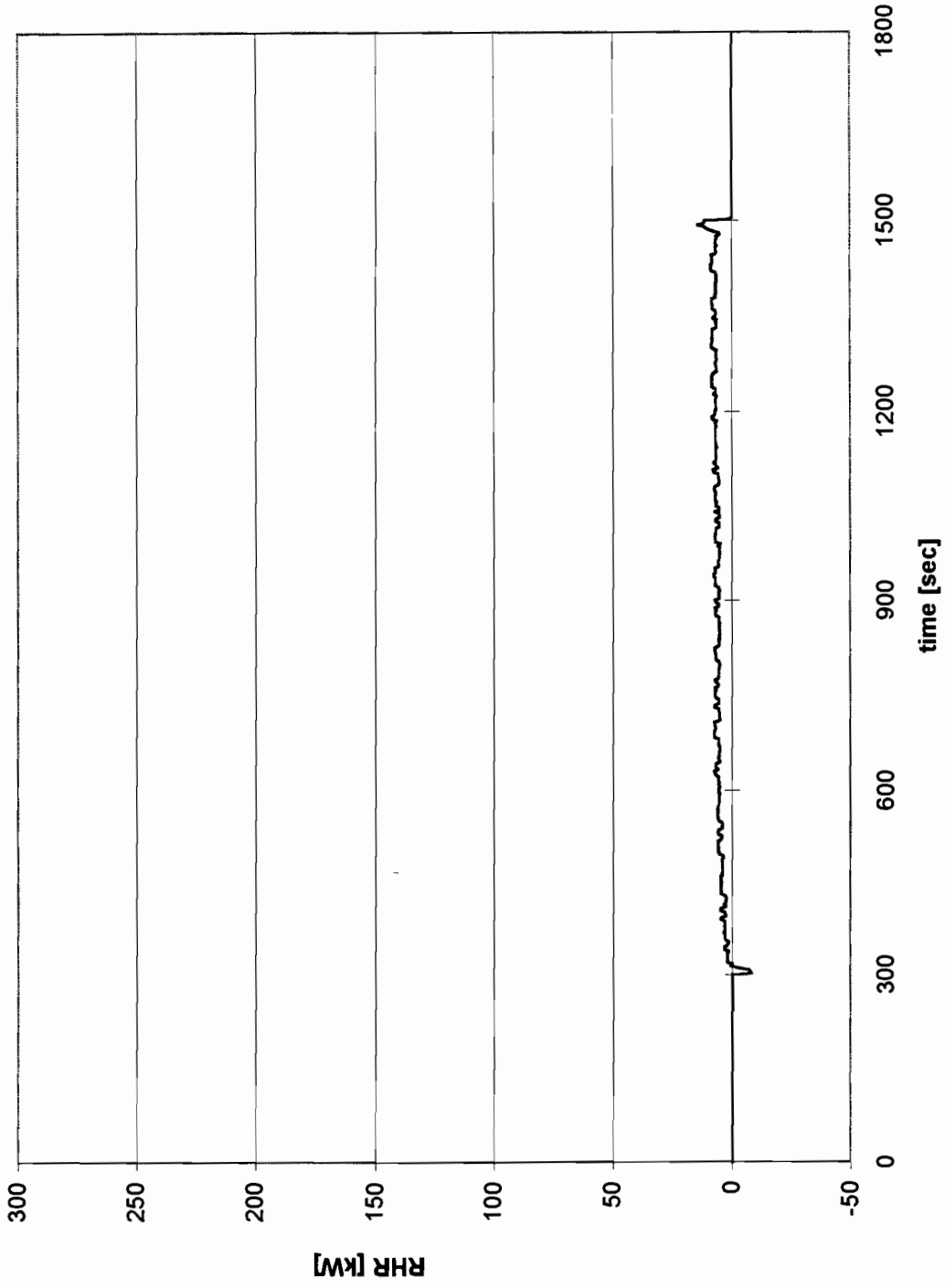
M05

3

13.08.97

v 4.1; 4 July '97

### RHR sample



L04

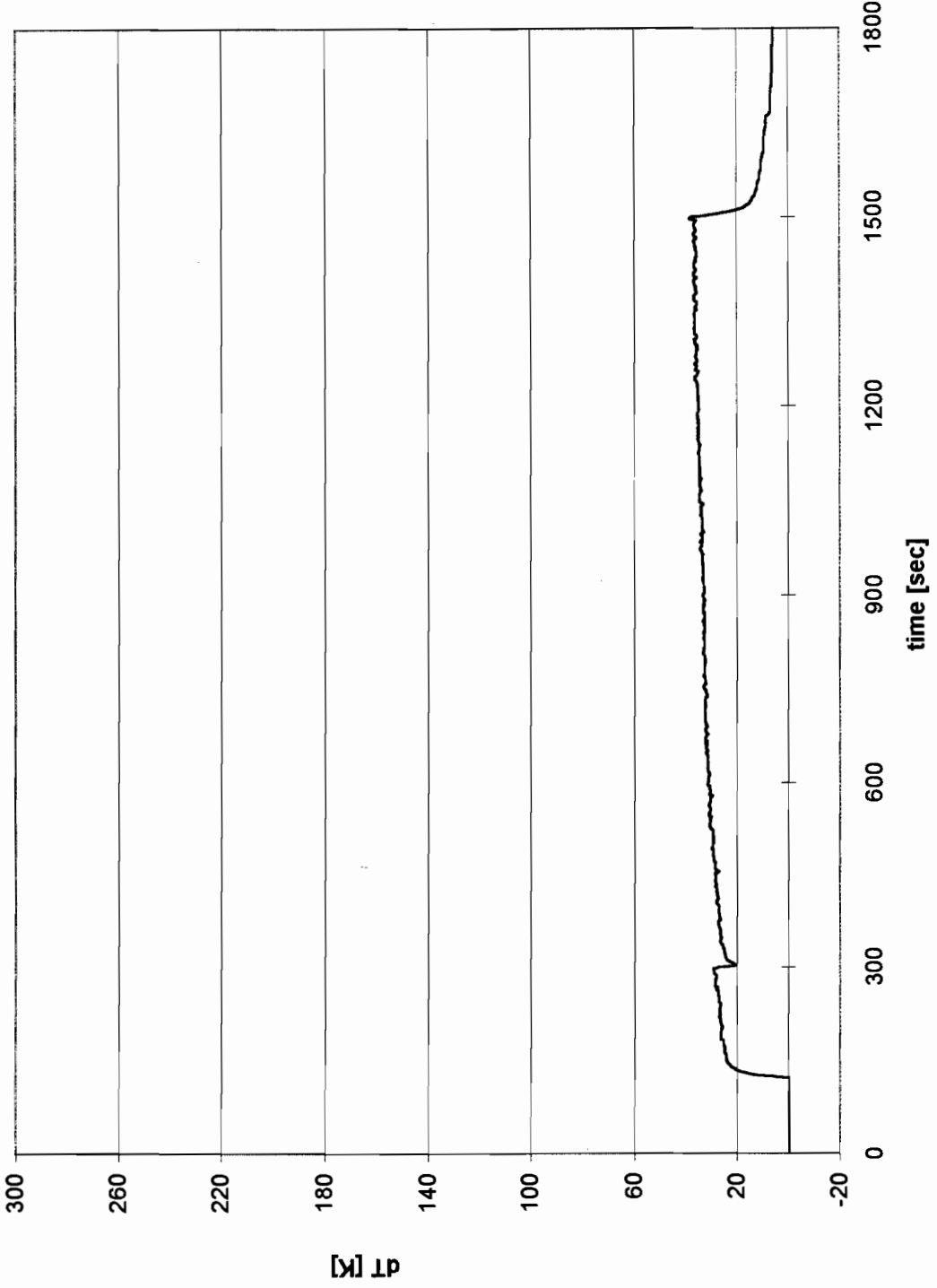
M06

1

05.08.97

v 4.1; 4 July '97

### Temperature rise



L04

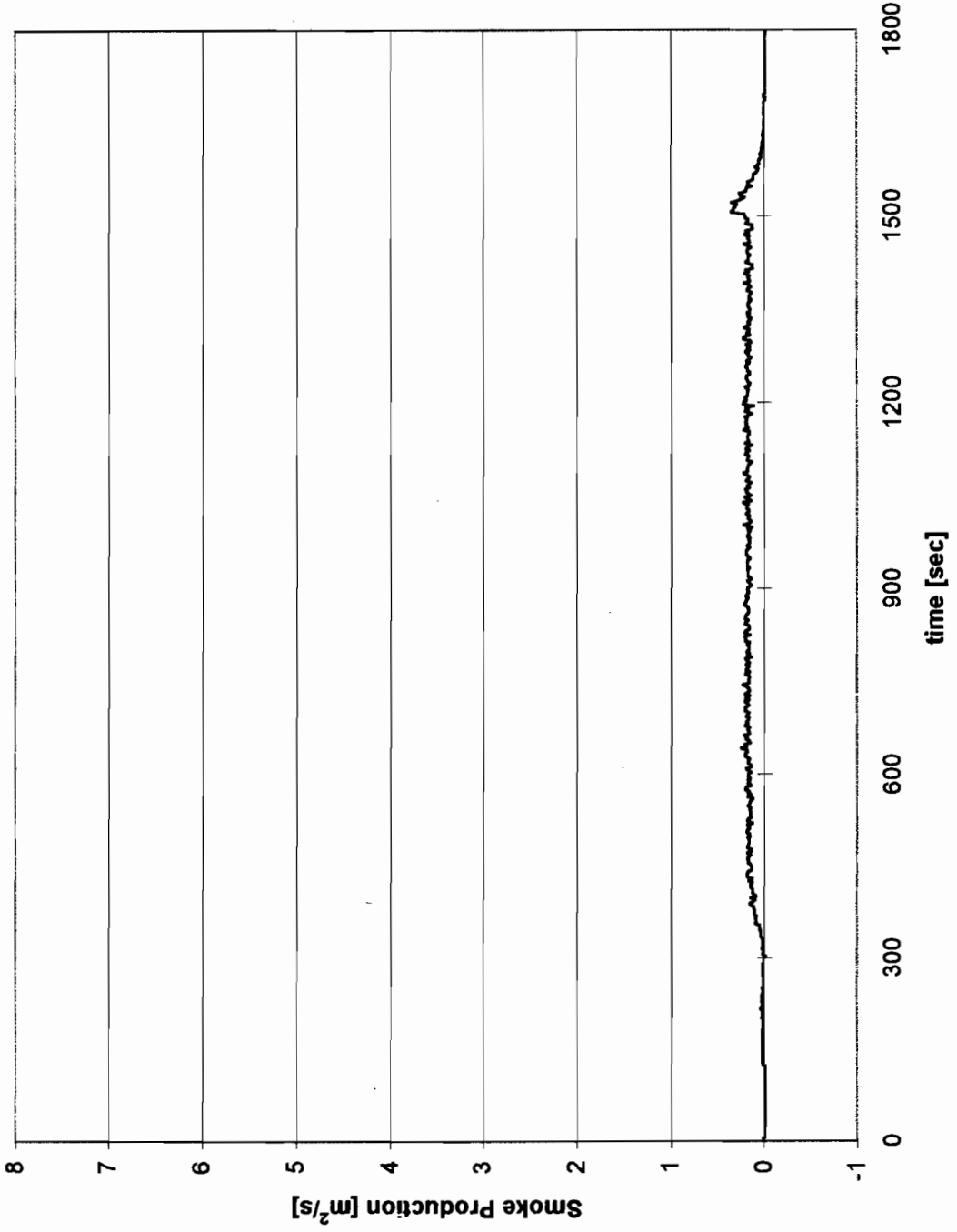
M06

1

05.08.97

v 4.1; 4 July '97

# Smoke Production



L04

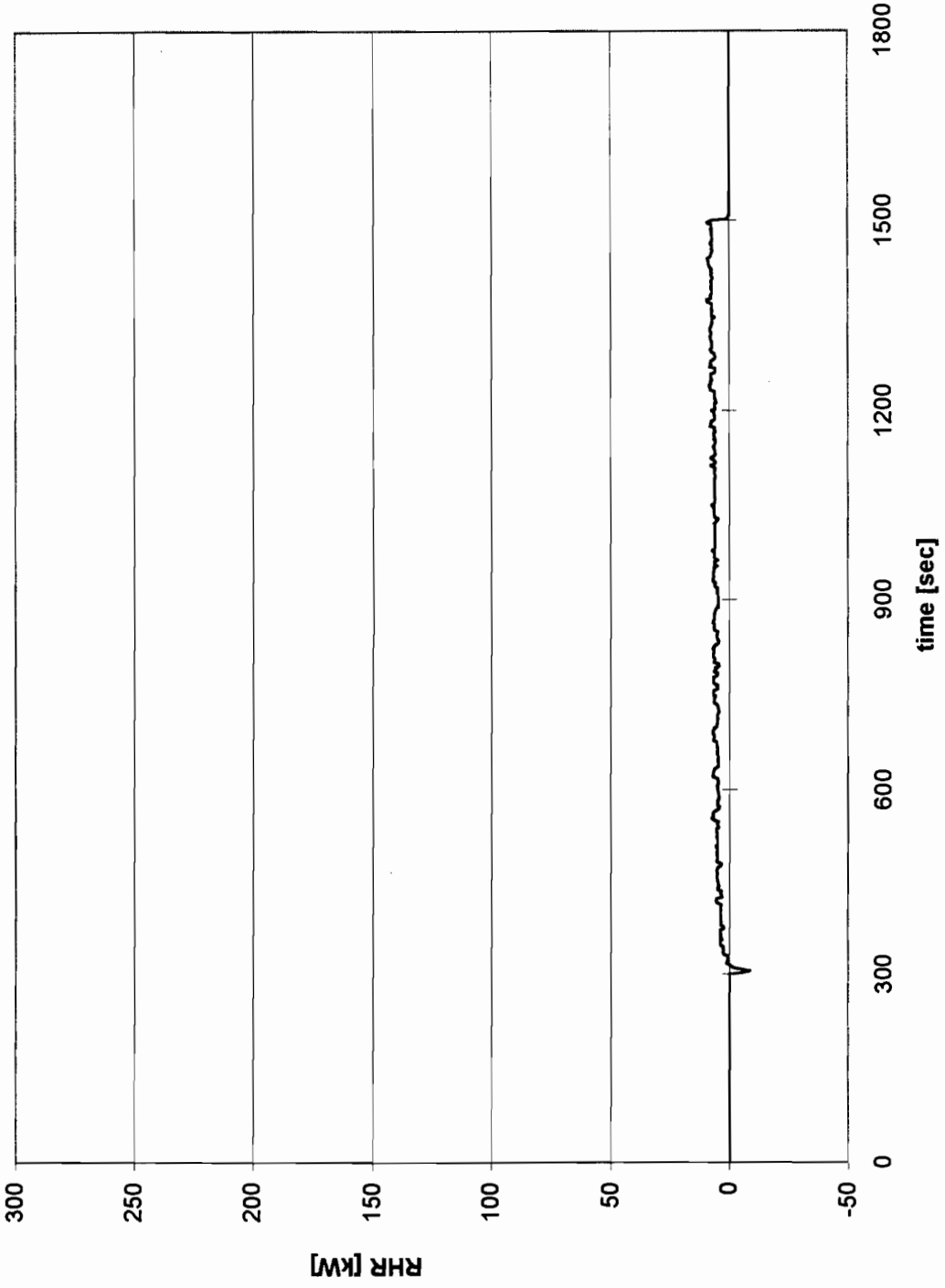
M06

1

05.08.97

v 4.1; 4 July '97

### RHR sample



L04

M06

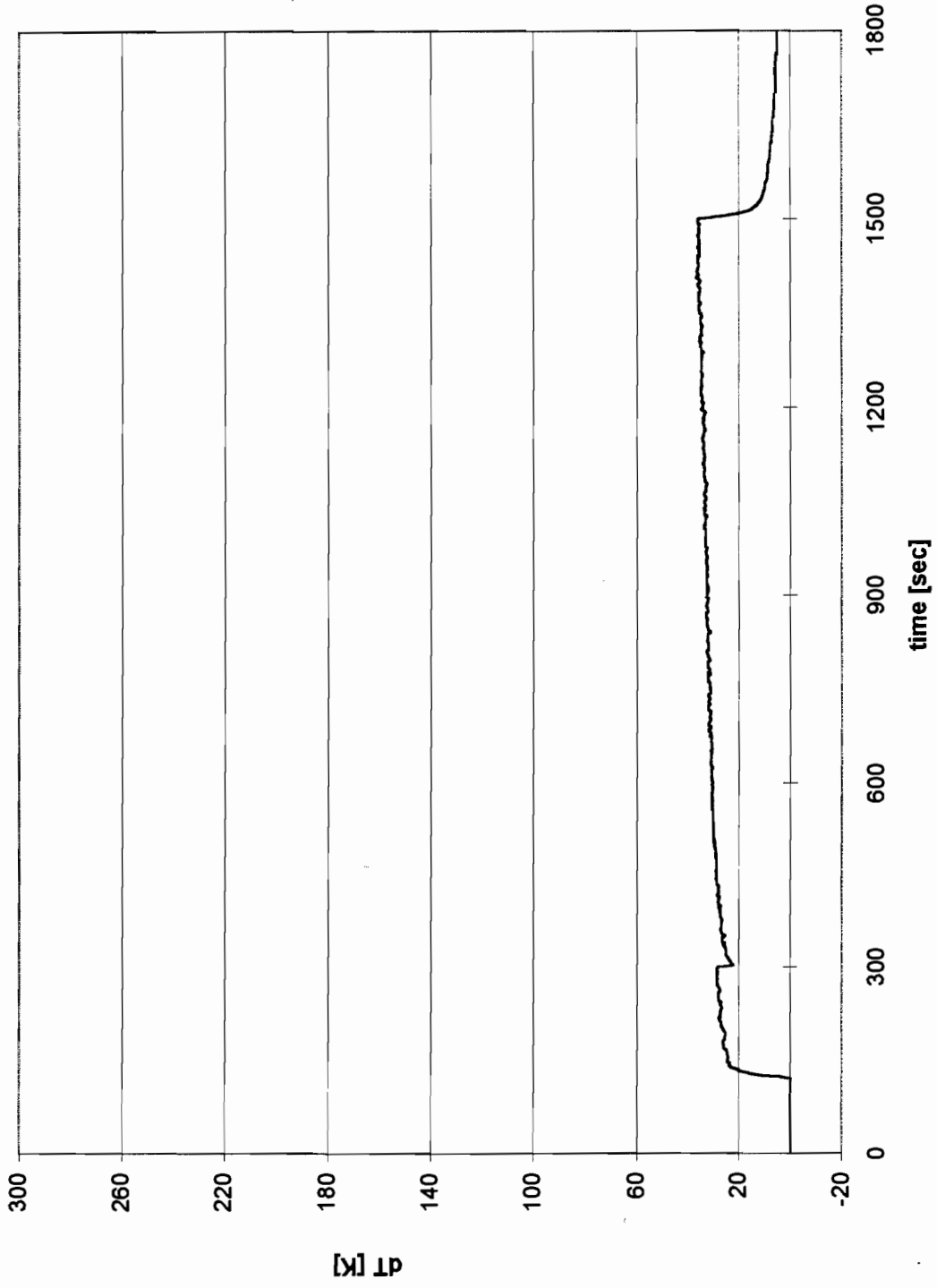
2

05.08.97

v 4.1; 4 July '97



### Temperature rise



L04

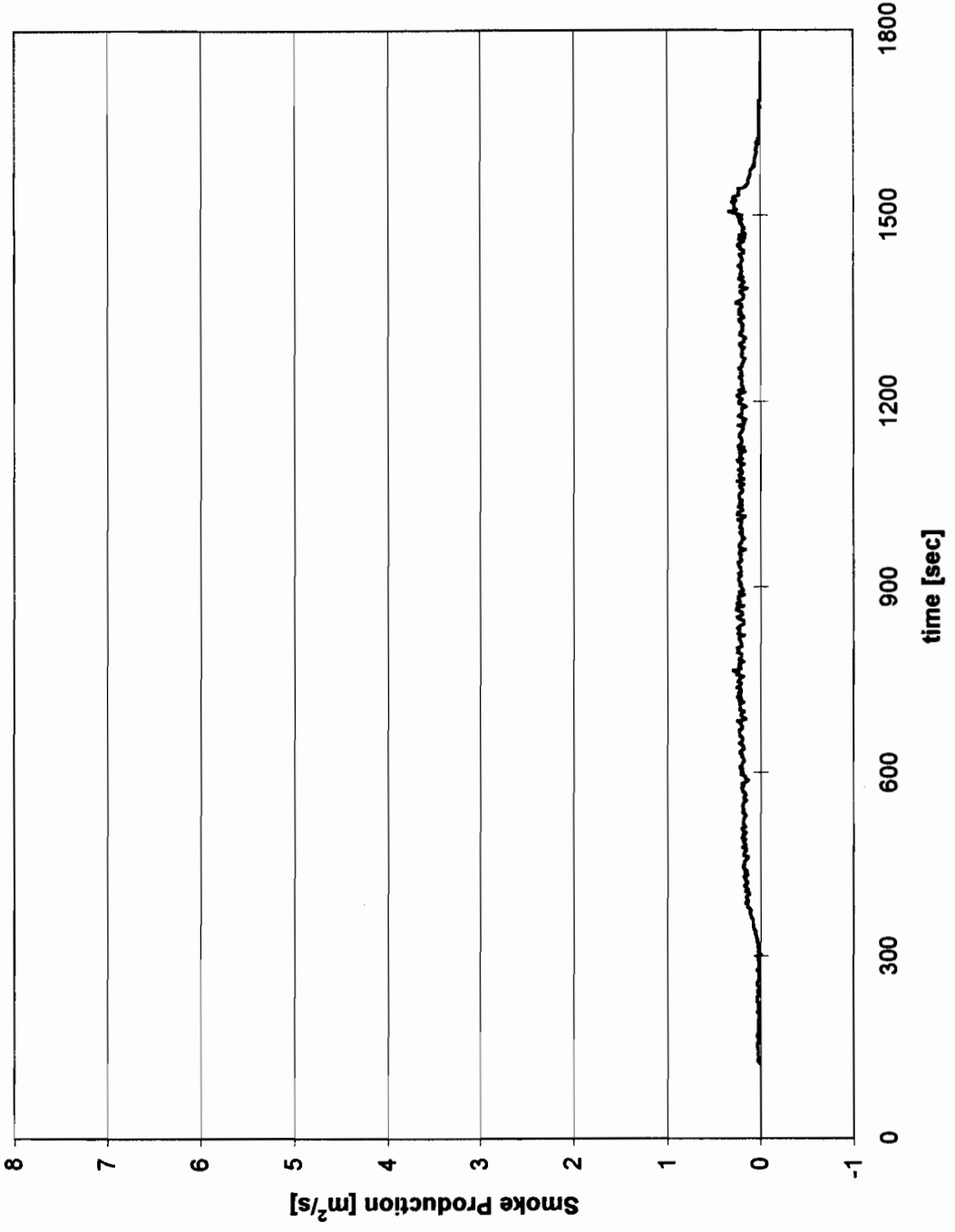
M06

2

05.08.97

v 4.1; 4 July '97

# Smoke Production



L04

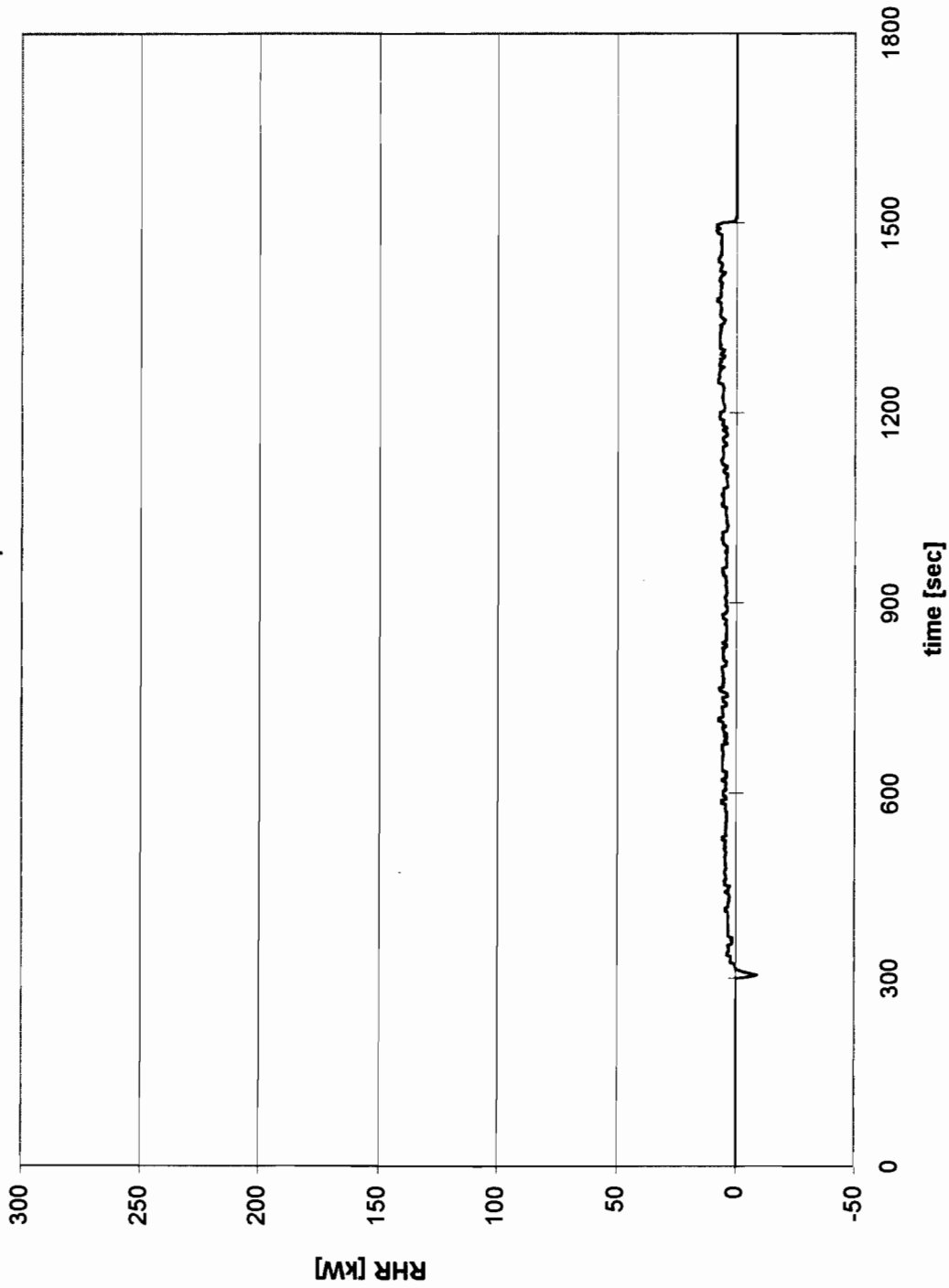
M06

2

05.08.97

v 4.1; 4 July '97

### RHR sample



L04

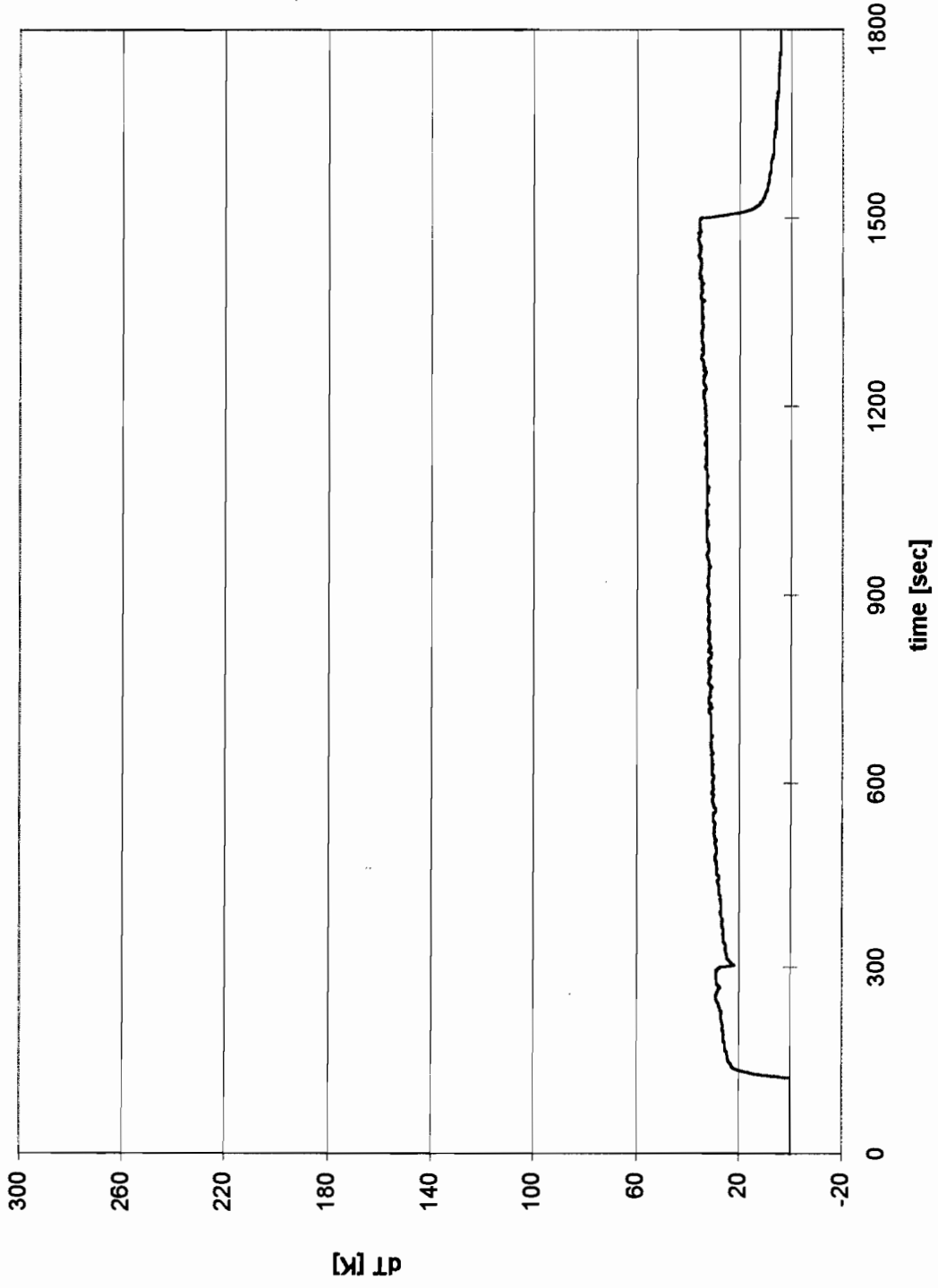
M06

3

05.08.97

v 4.1; 4 July '97

### Temperature rise



L04

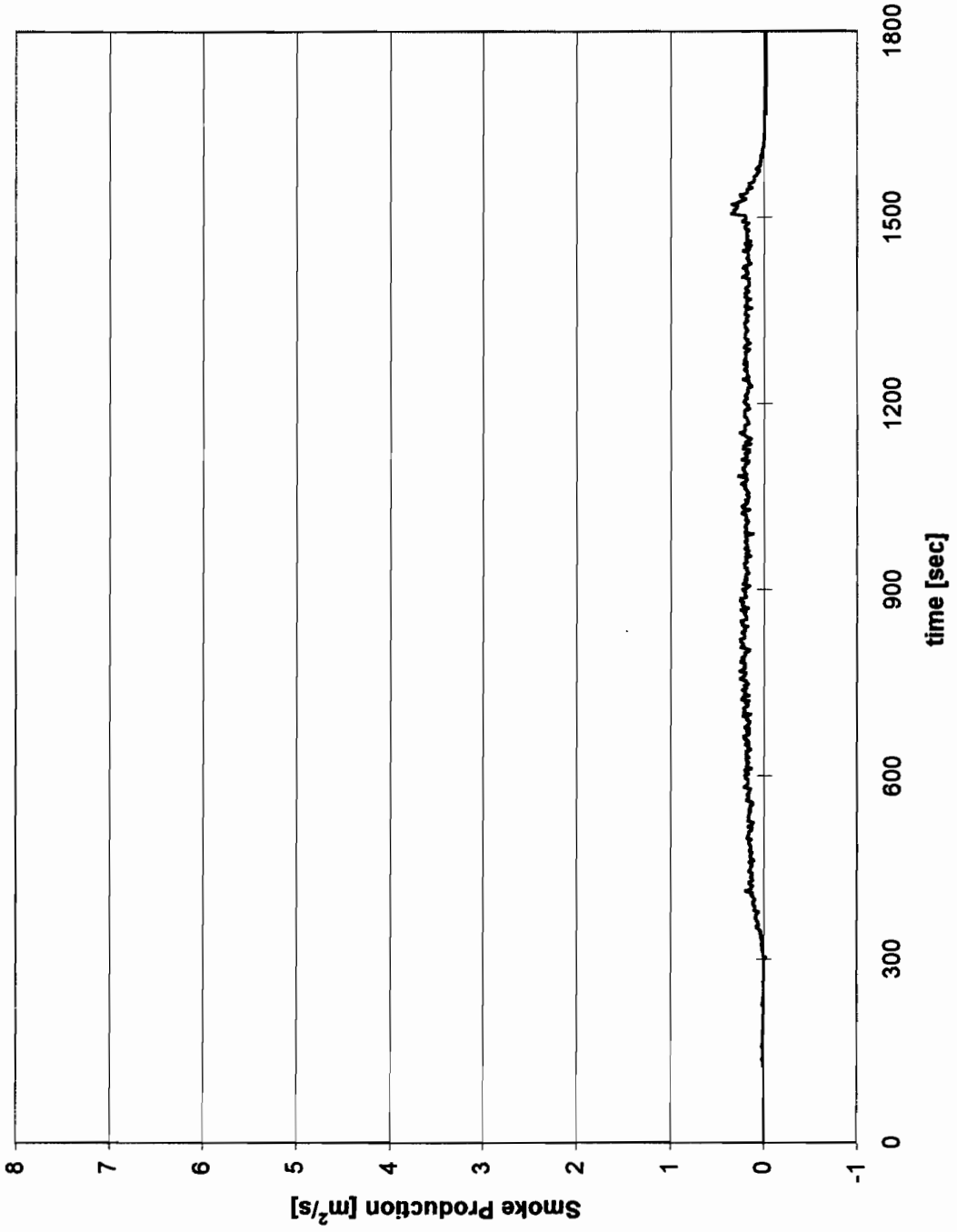
M06

3

05.08.97

v 4.1; 4 July '97

# Smoke Production



L04

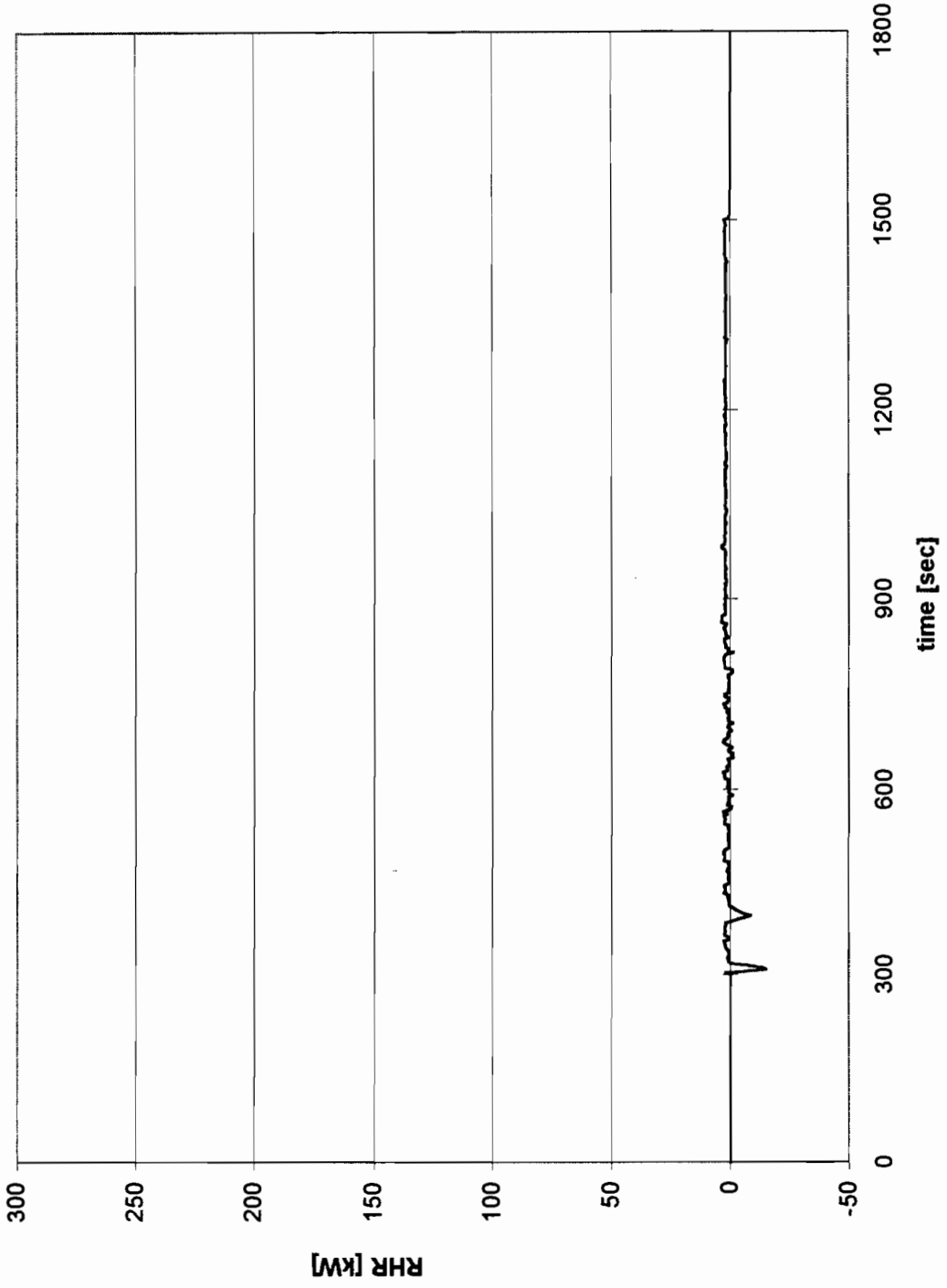
M06

3

05.08.97

v 4.1; 4 July '97

### RHR sample



L04

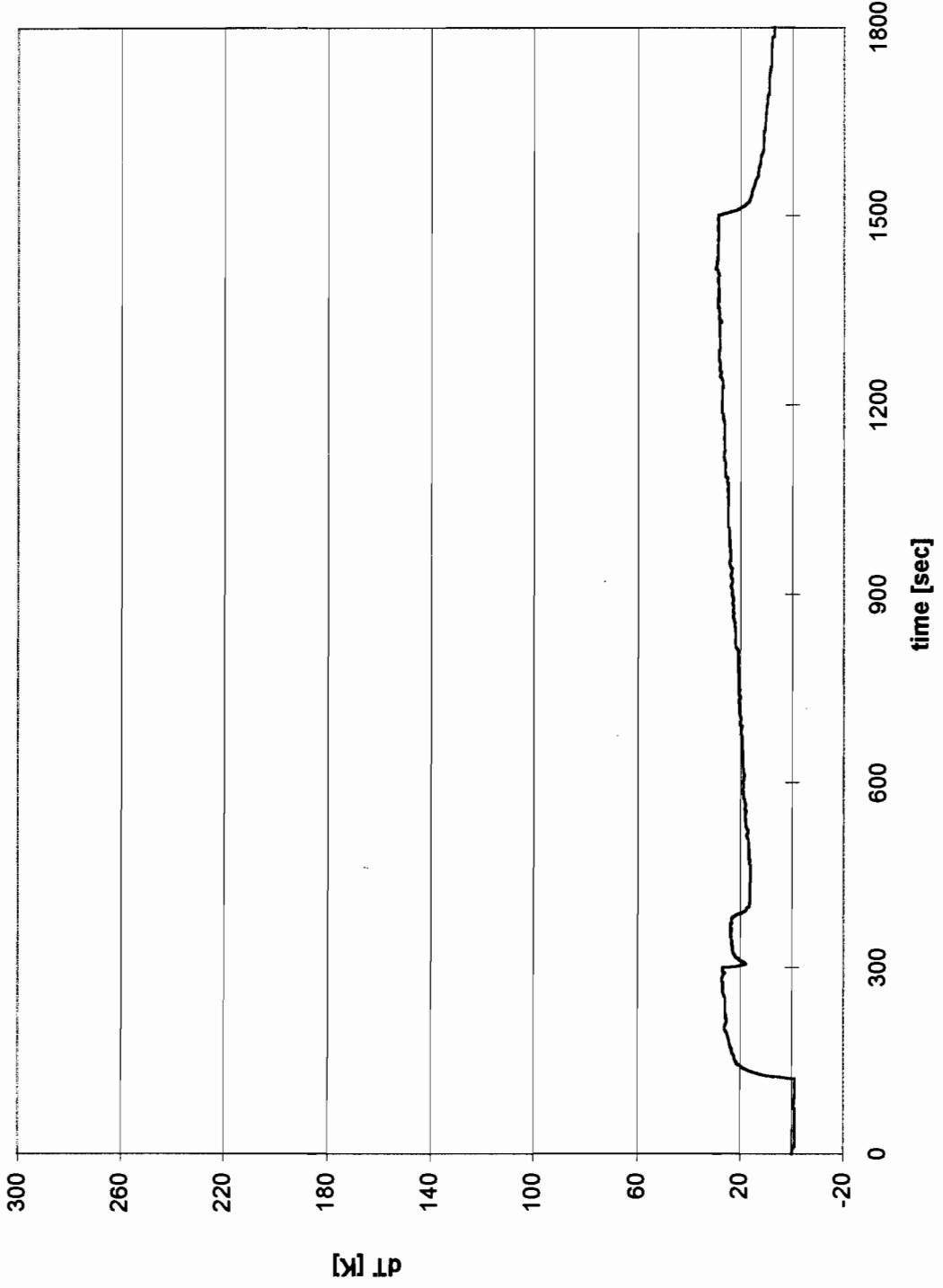
M07

1

02.09.97

v 4.1; 4 July '97

### Temperature rise



L04

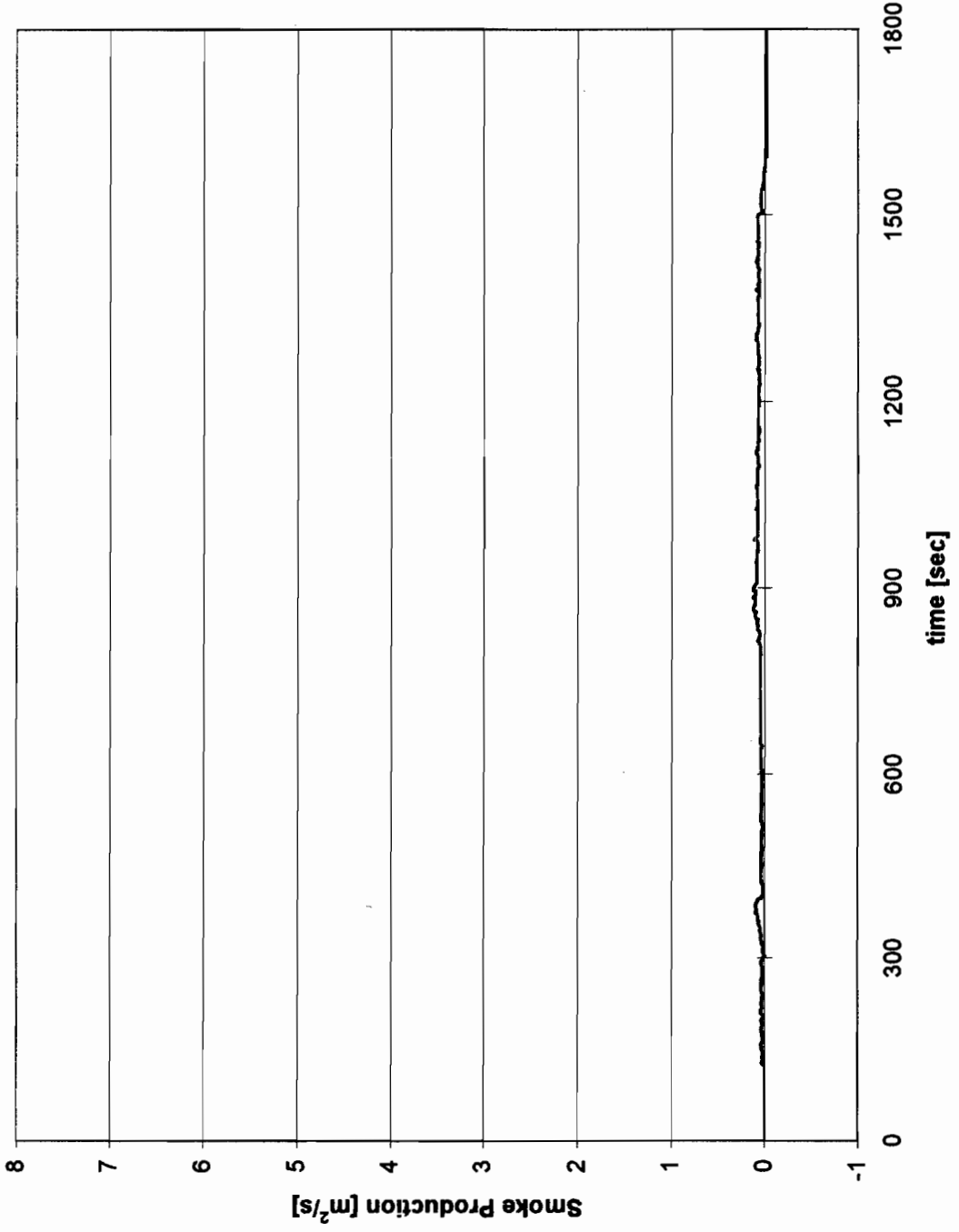
M07

1

02.09.97

v 4.1; 4 July '97

### Smoke Production



L04

M07

1

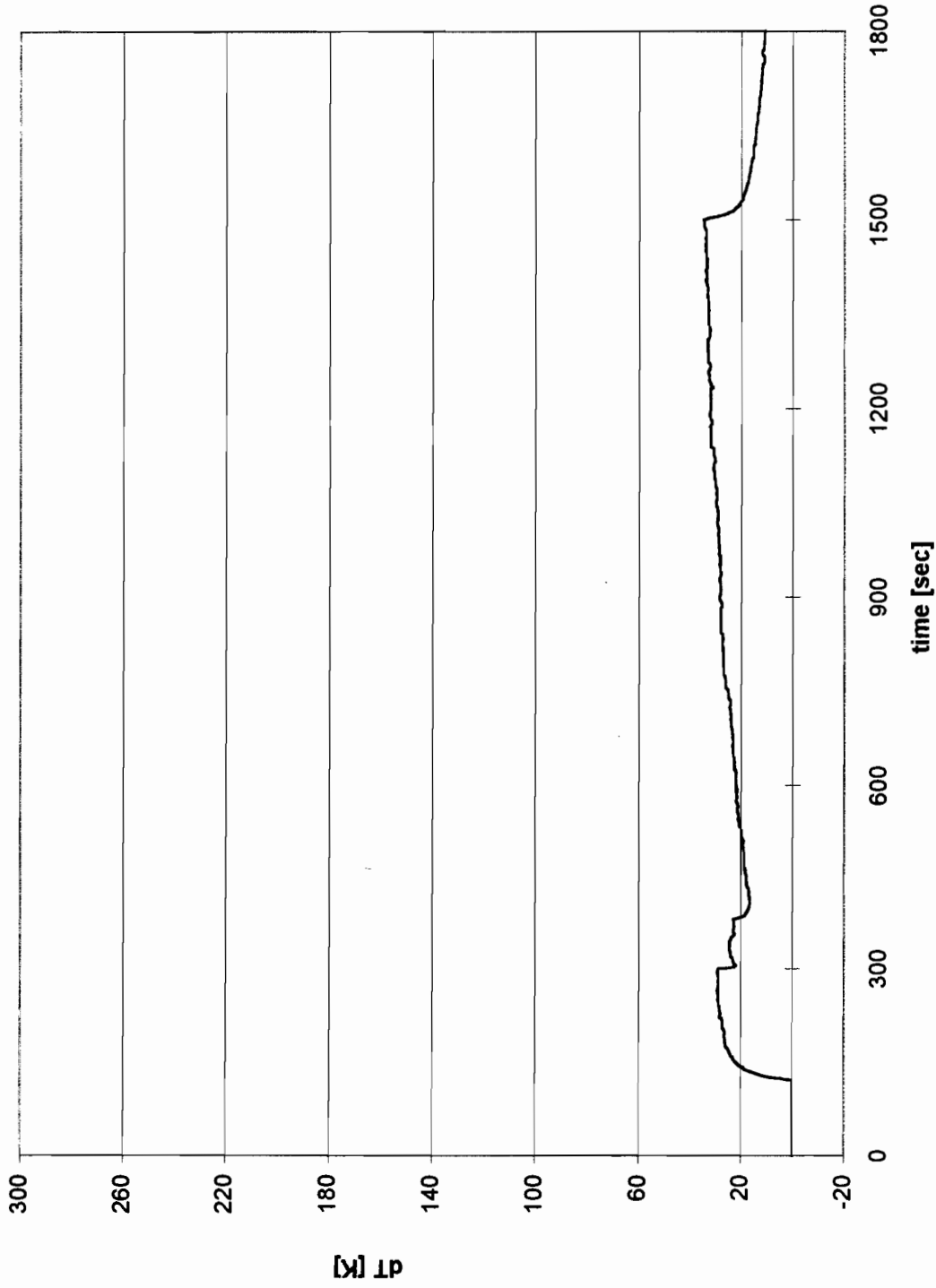
02.09.97

v 4.1; 4 July '97





### Temperature rise



L04

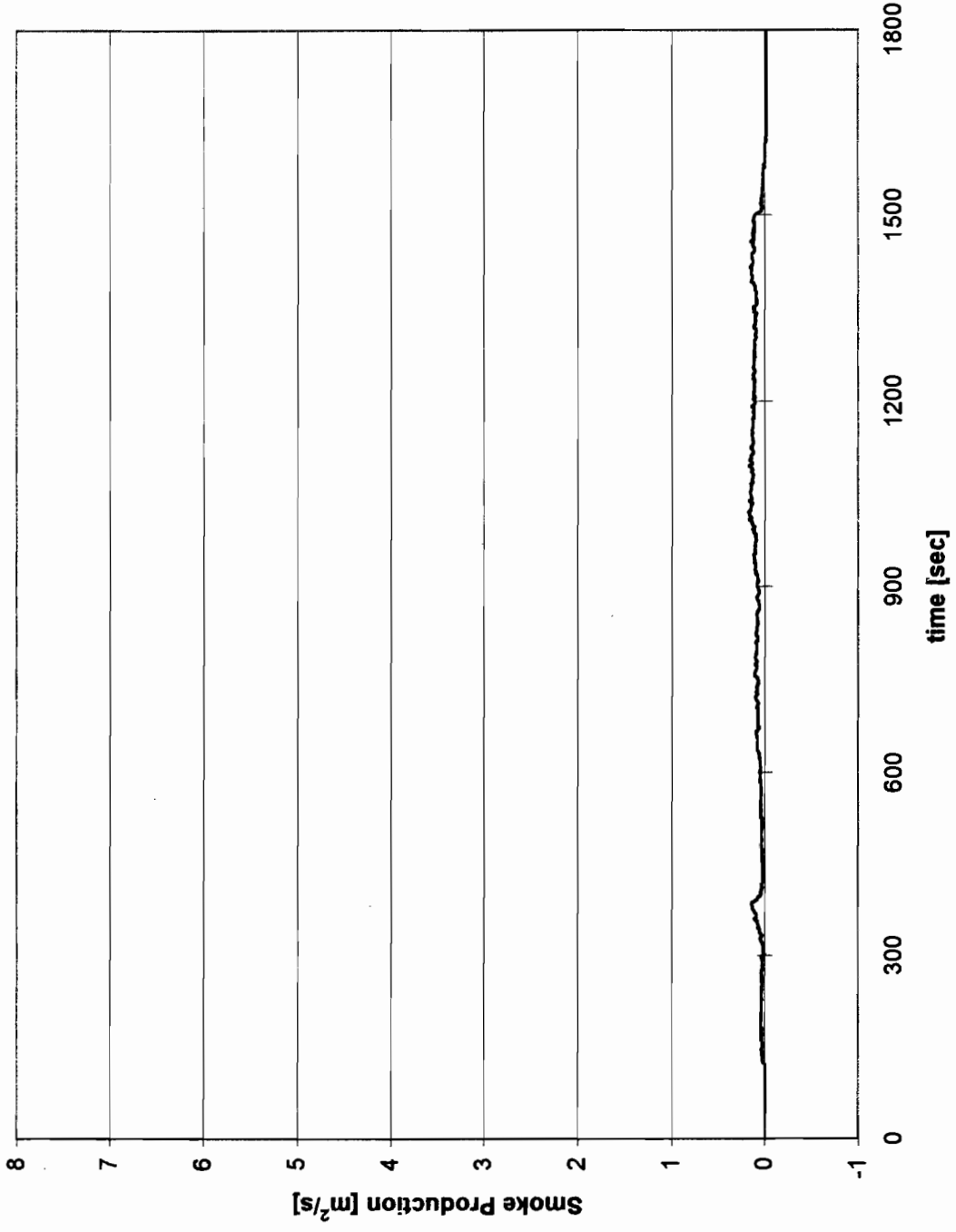
M07

2

02.09.97

v 4.1; 4 July '97

# Smoke Production



L04

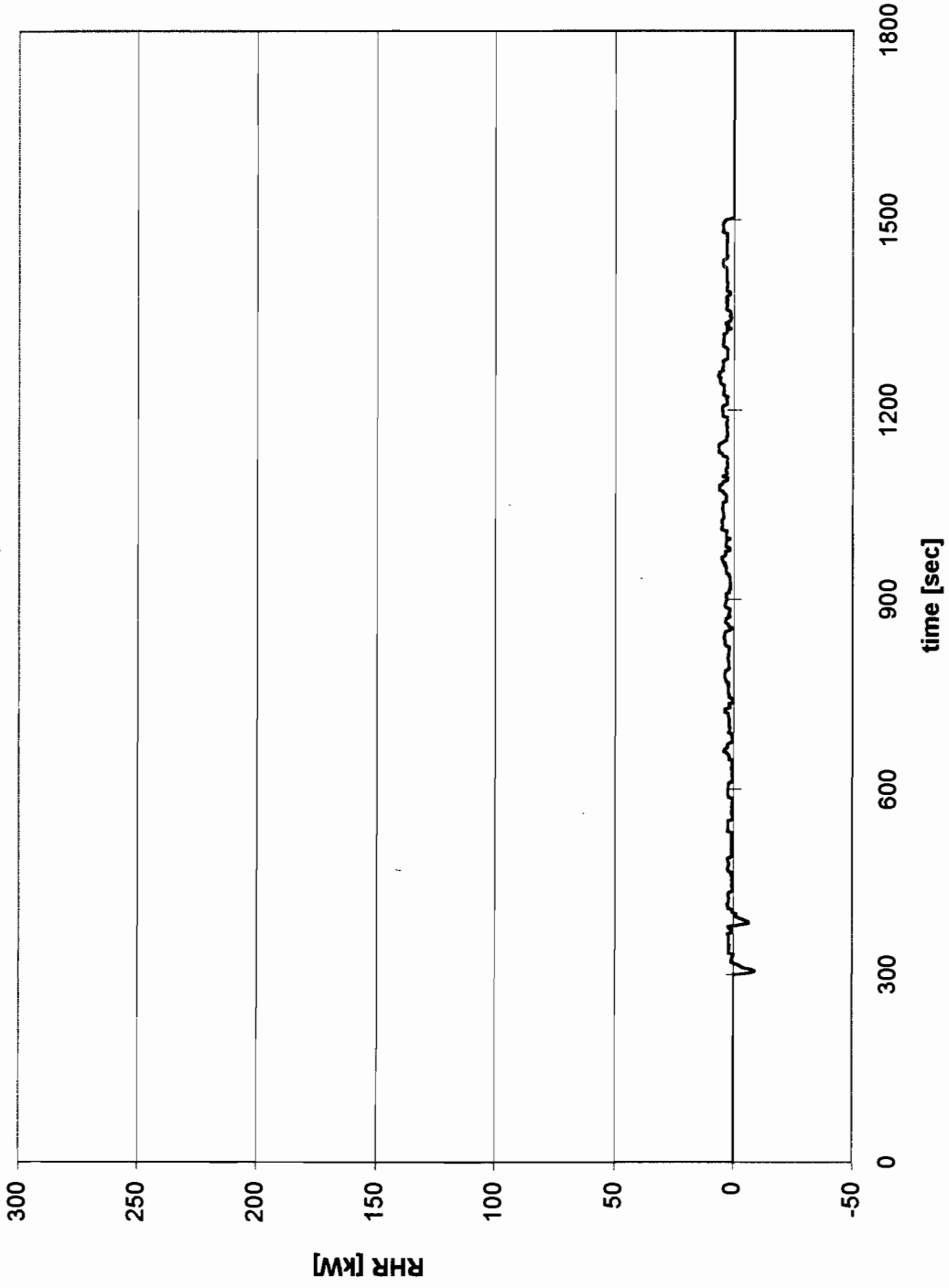
M07

2

02.09.97

v 4.1; 4 July '97

### RHR sample



L04

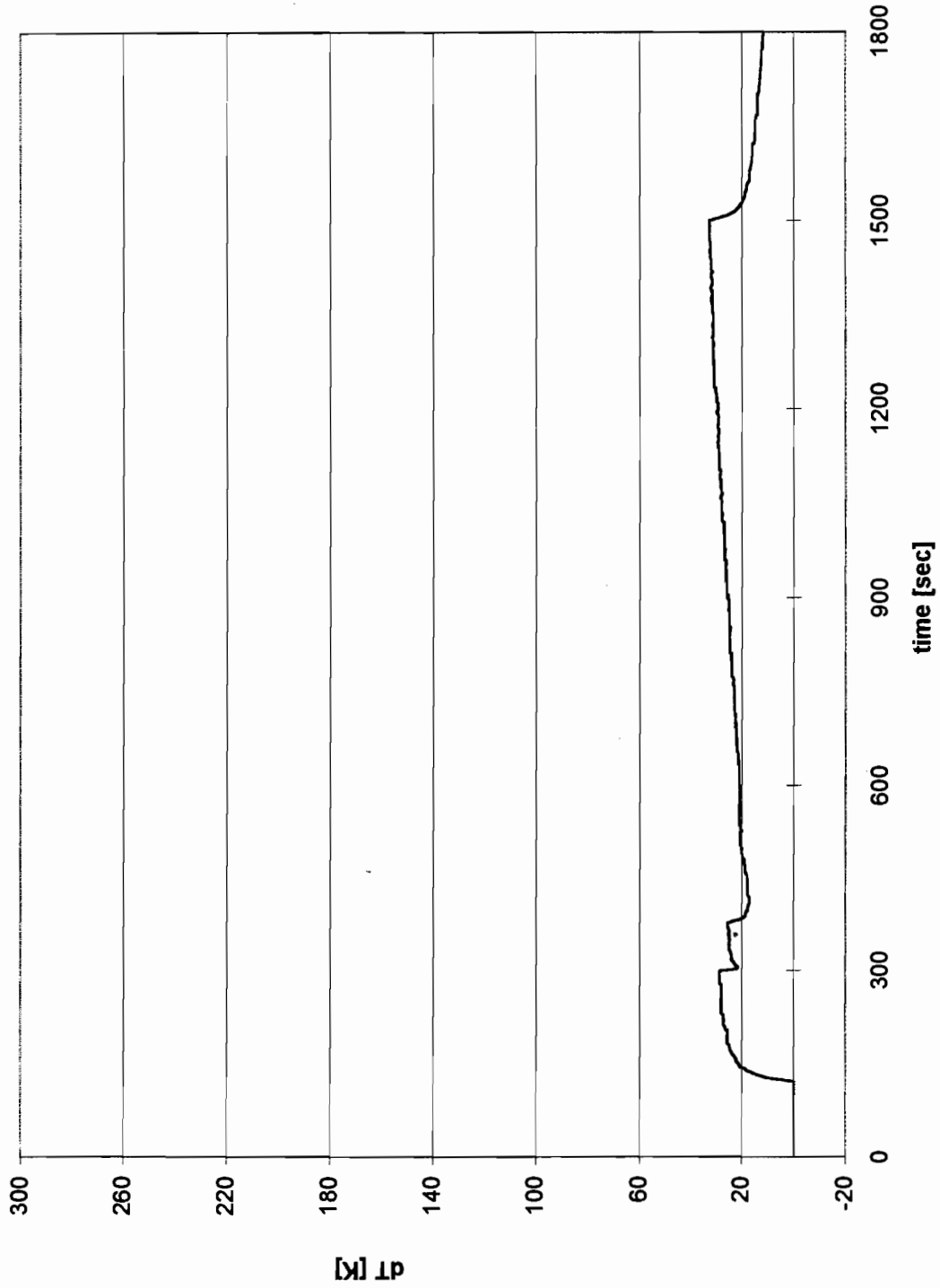
M07

3

02.09.97

v 4.1; 4 July '97

### Temperature rise



L04

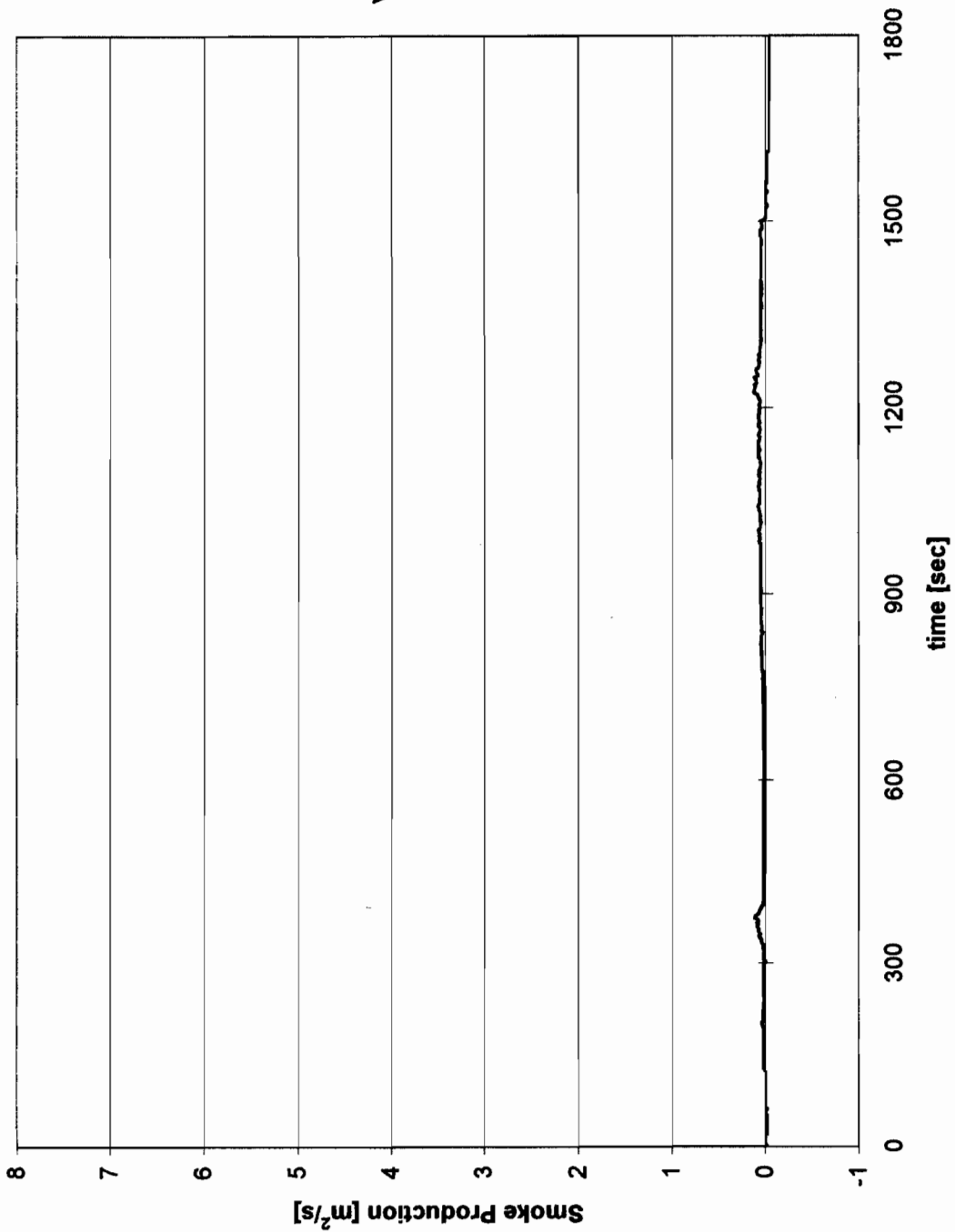
M07

3

02.09.97

v 4.1; 4 July '97

# Smoke Production



L04

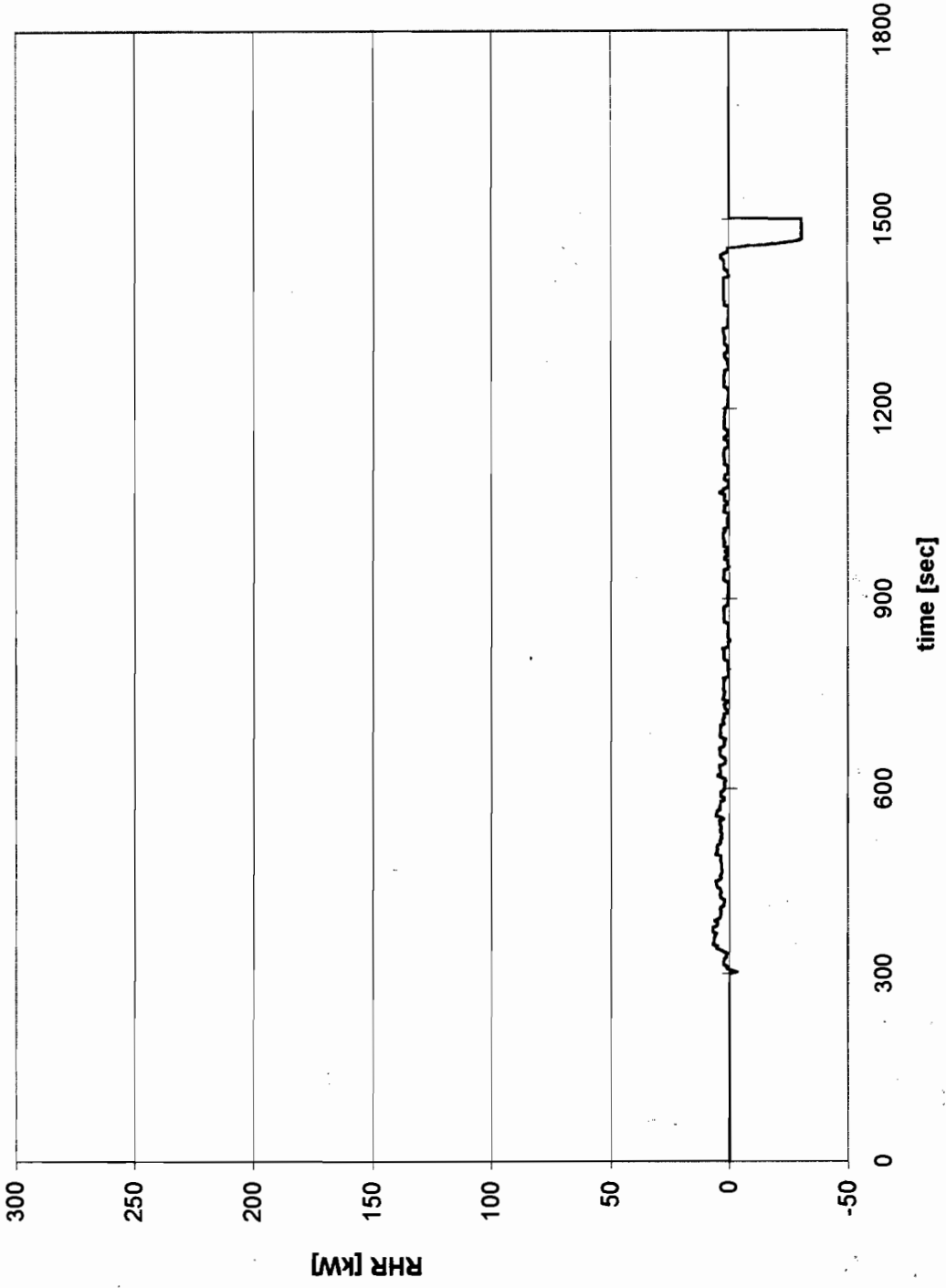
M07

3

02.09.97

v 4.1; 4 July '97

*RHR sample*



L04

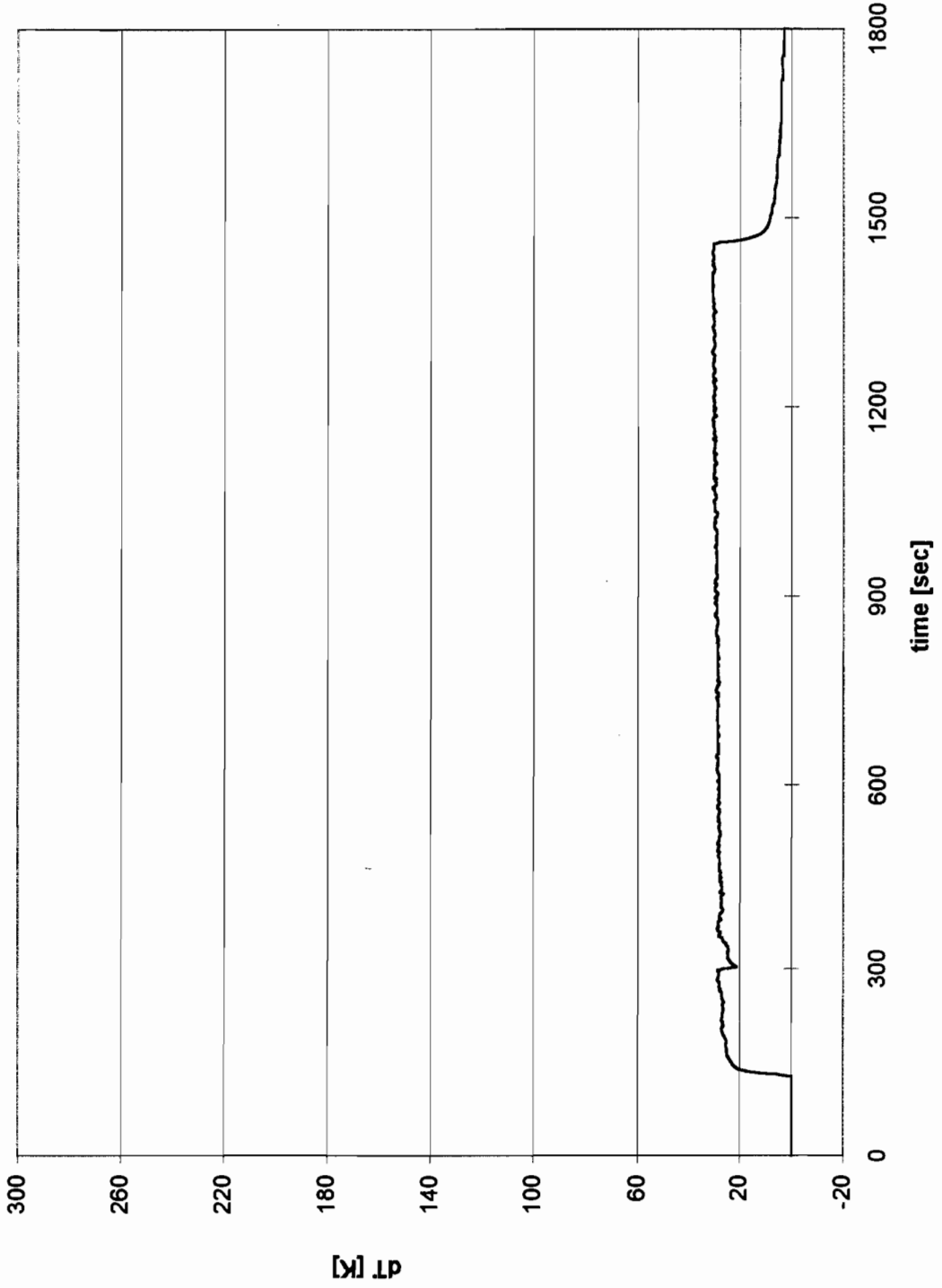
M08

1

04.08.97

v 4.1; 4 July '97

### Temperature rise



L04

M08

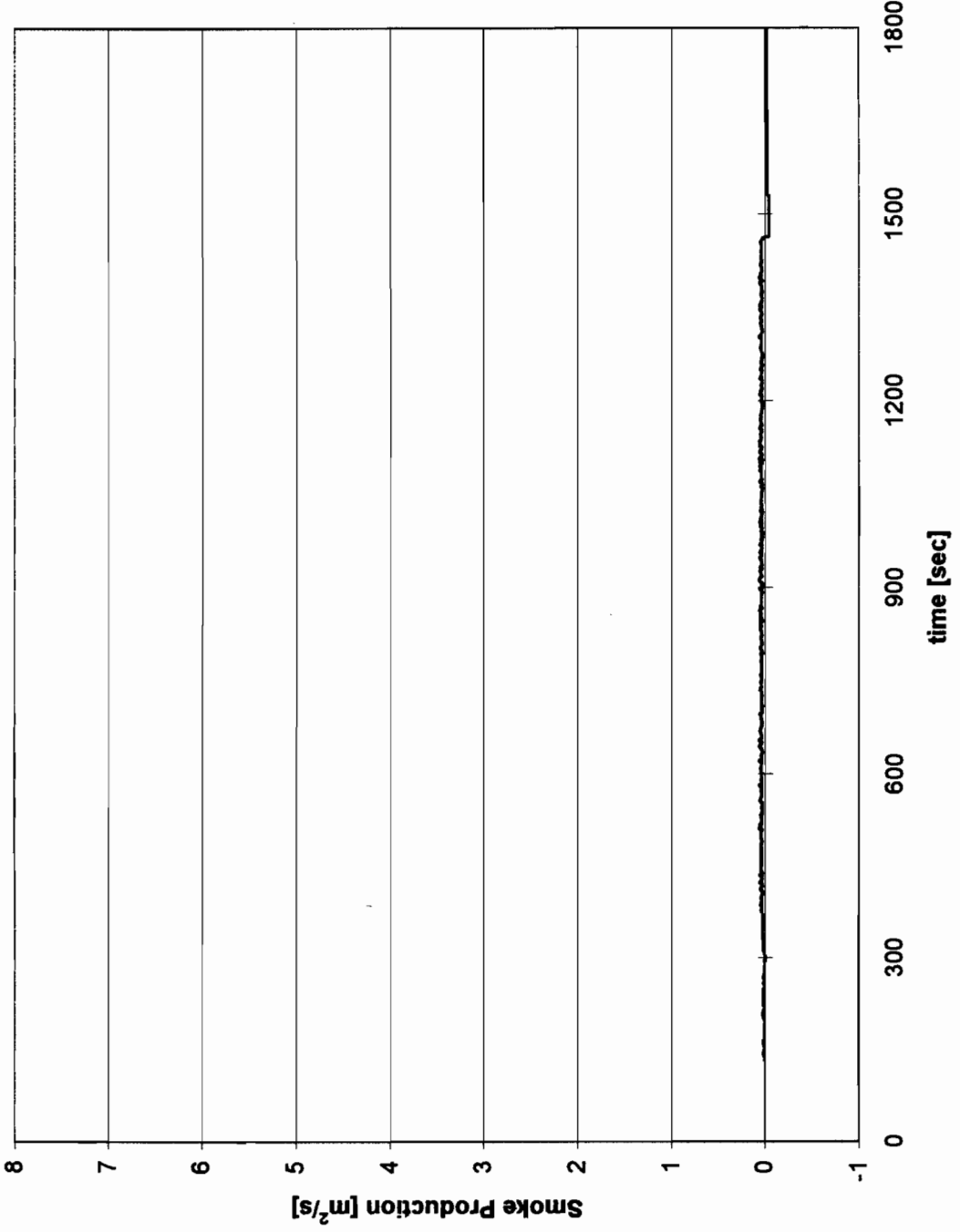
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04.08.97

v 4.1; 4 July '97



### Smoke Production



L04

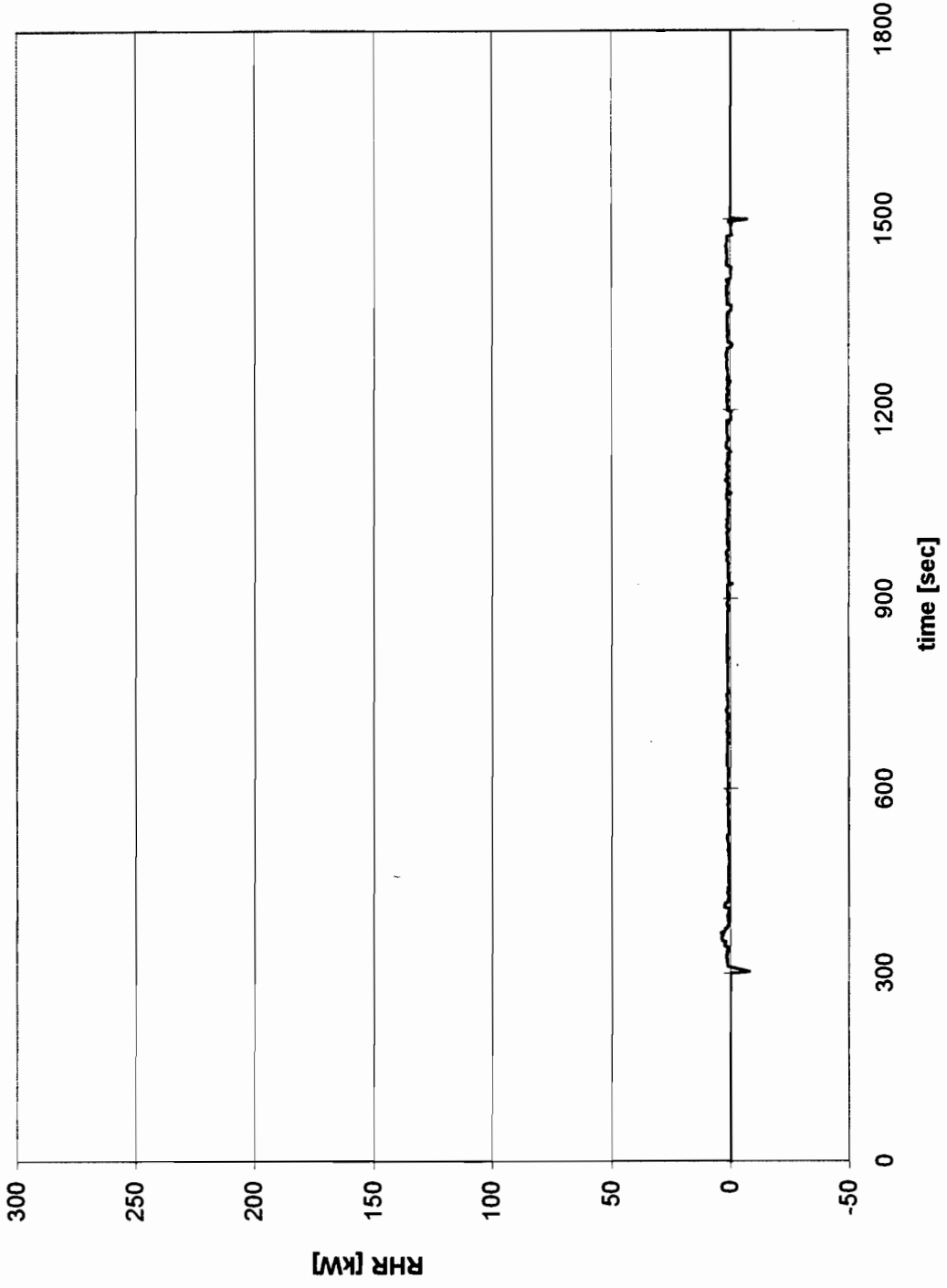
M08

1

04.08.97

v 4.1; 4 July '97

*RHR sample*



L04

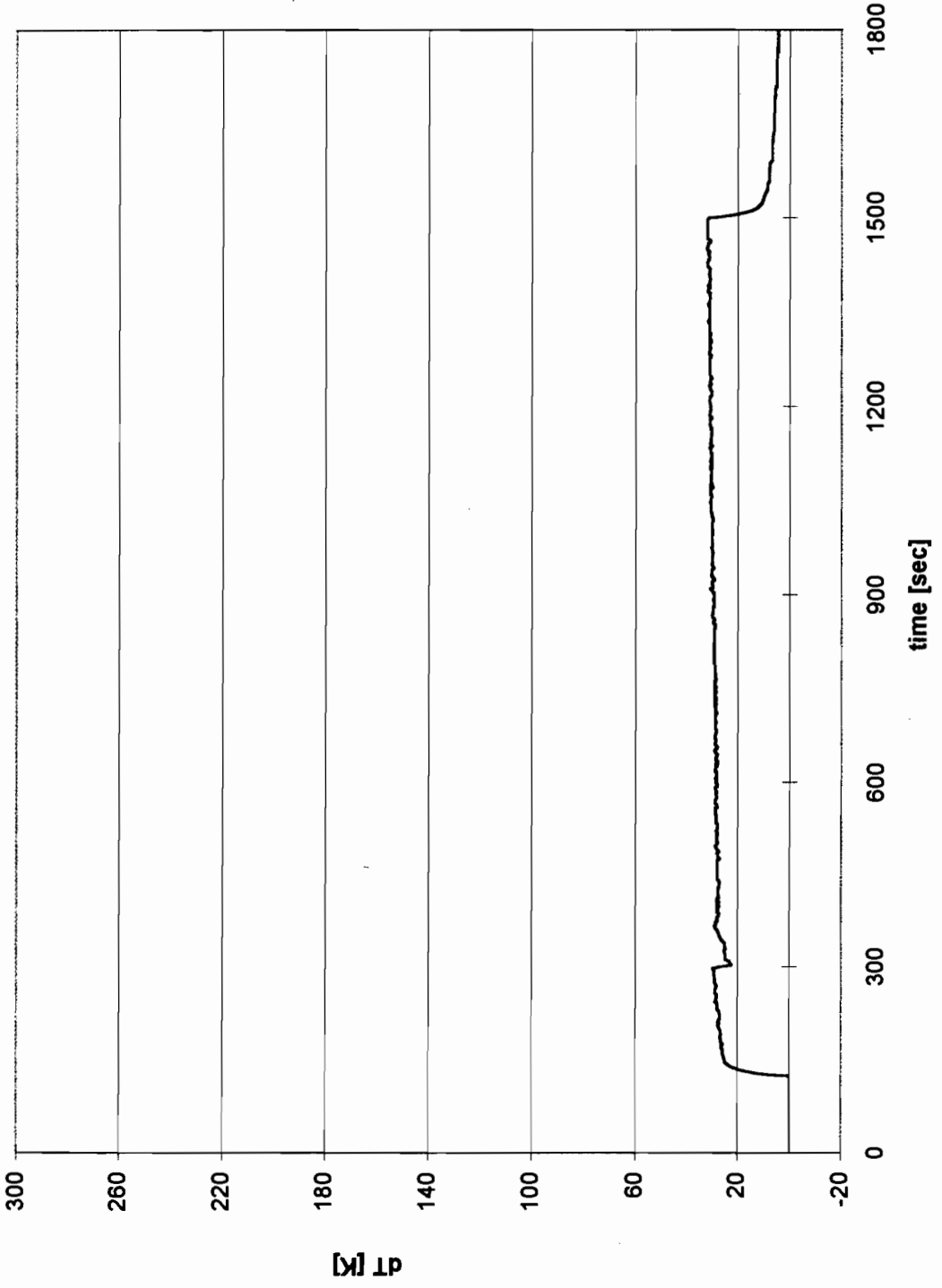
M08

2

05.08.97

v 4.1; 4 July '97

*Temperature rise*



L04

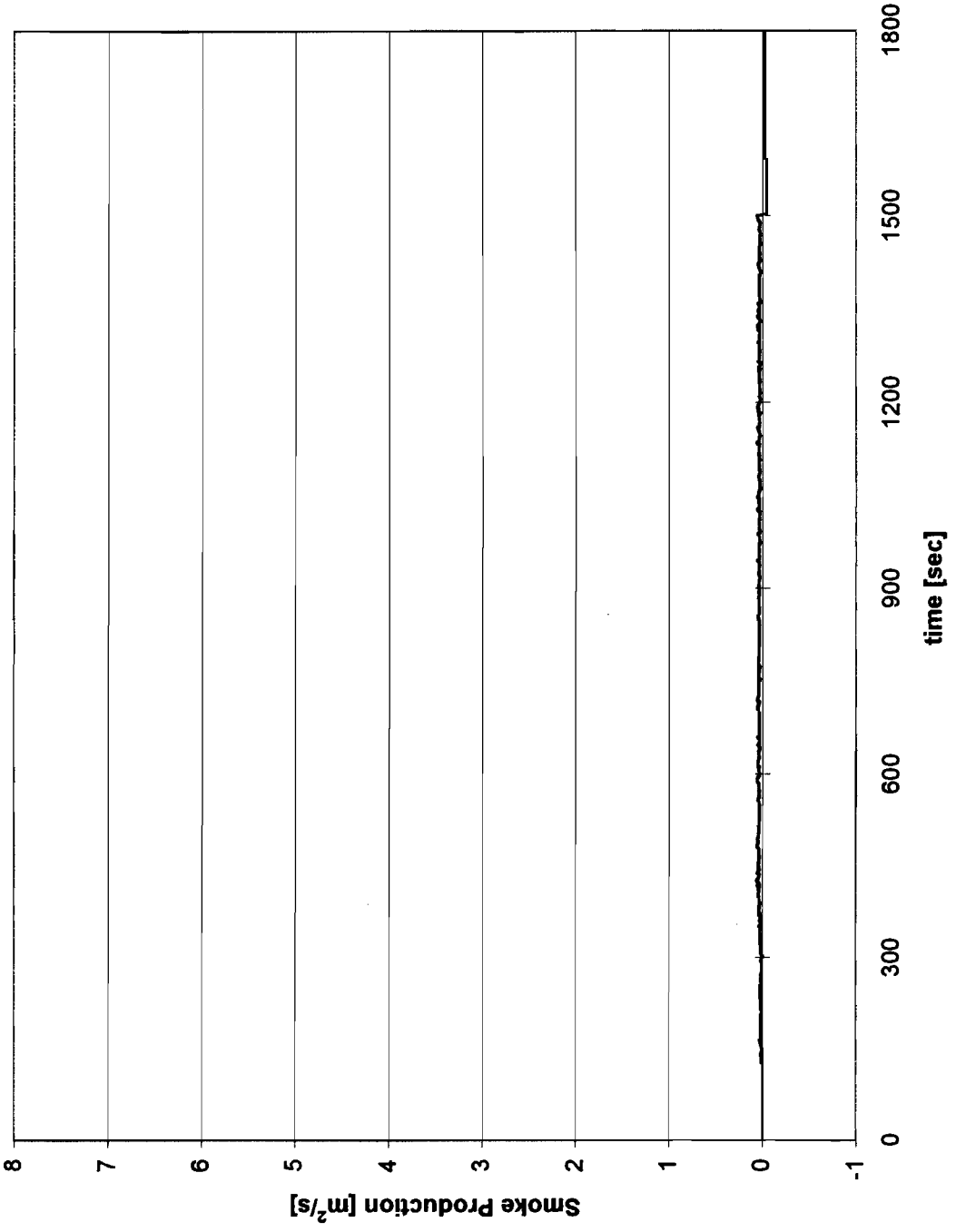
M08

2

05.08.97

v 4.1; 4 July '97

### Smoke Production



L04

M08

2

05.08.97

v 4.1; 4 July '97

*RHR sample*



L04

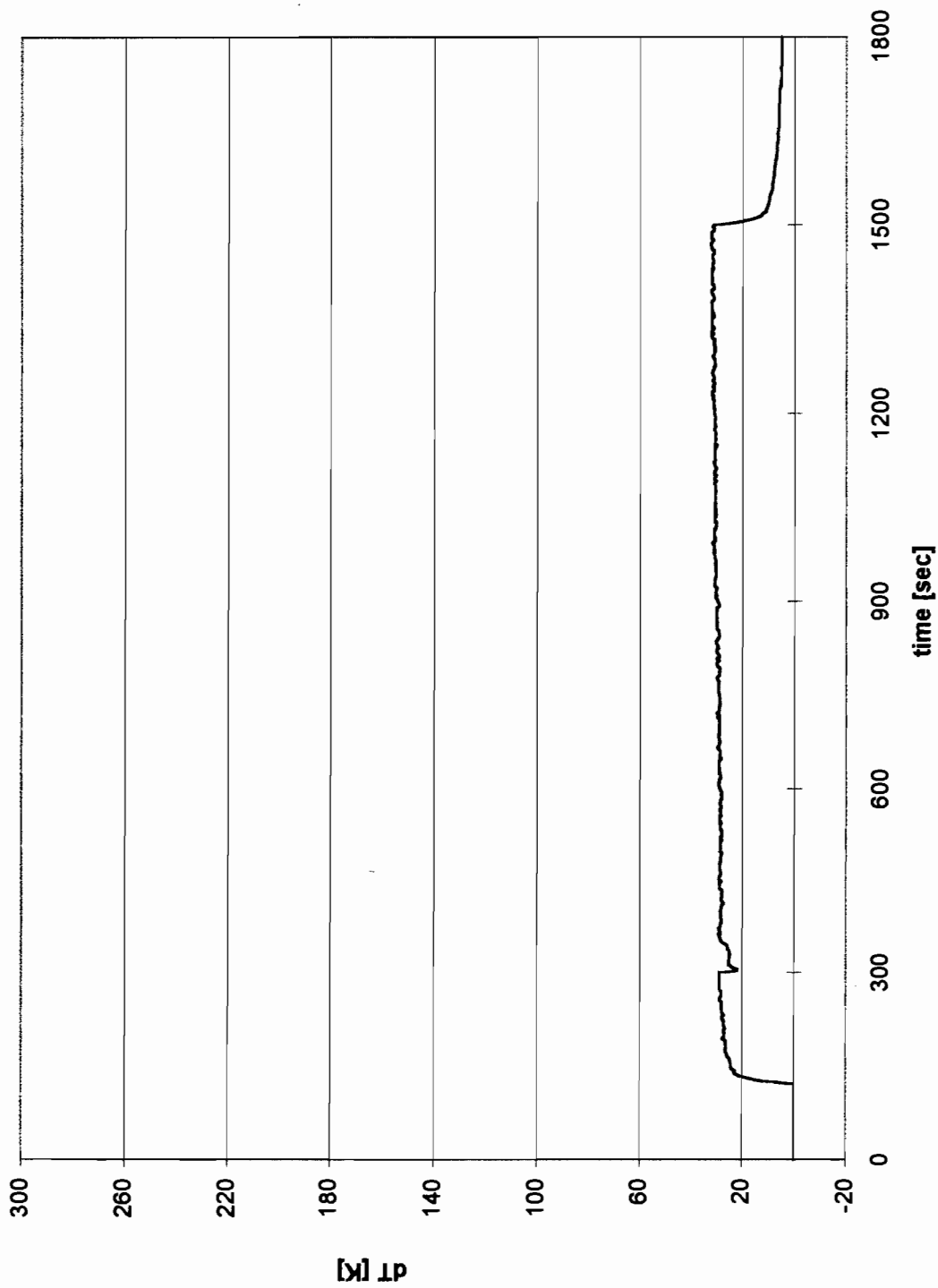
M08

3

05.08.97

v 4.1; 4 July '97

# Temperature rise



L04

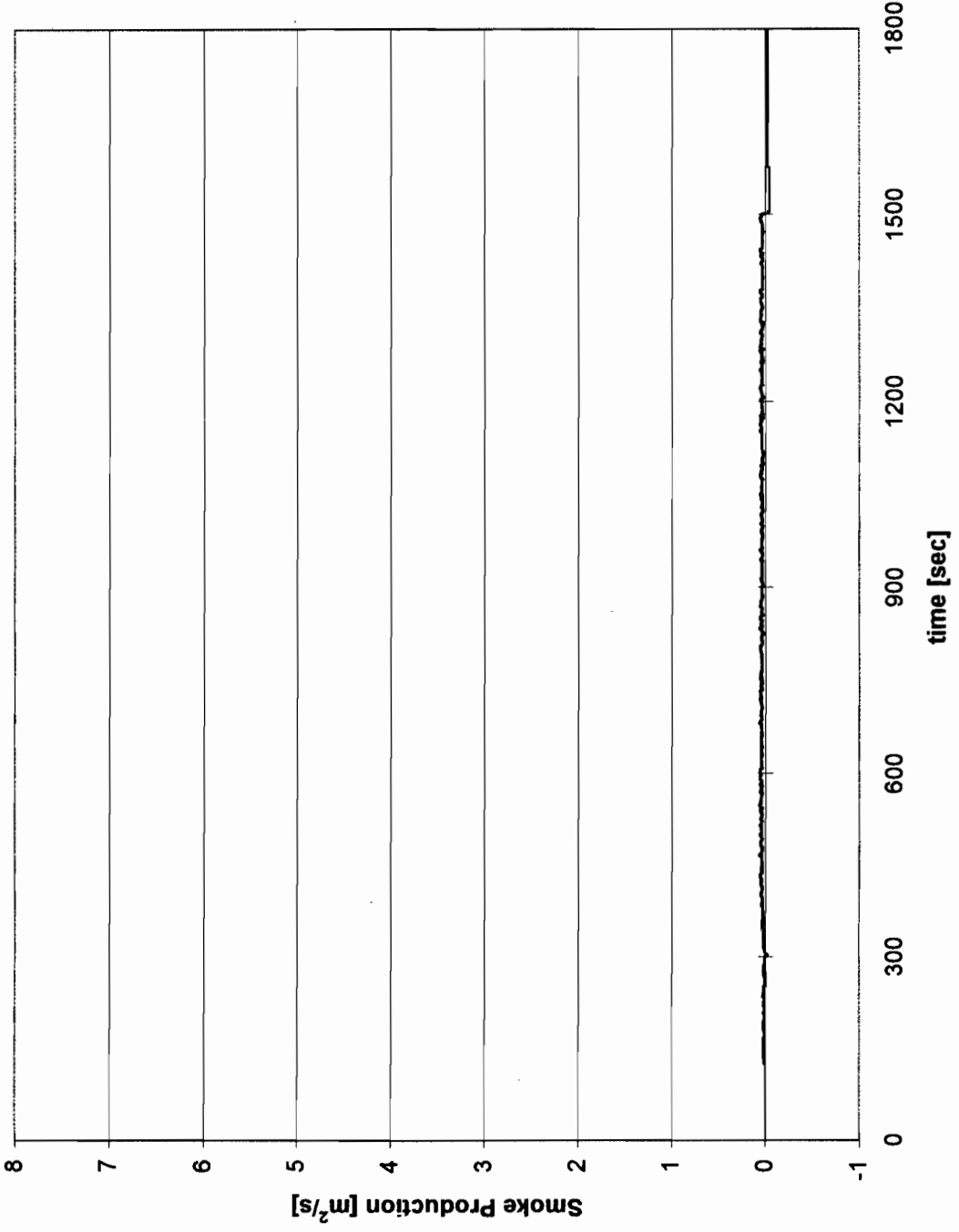
M08

3

05.08.97

v 4.1; 4 July '97

# Smoke Production



L04

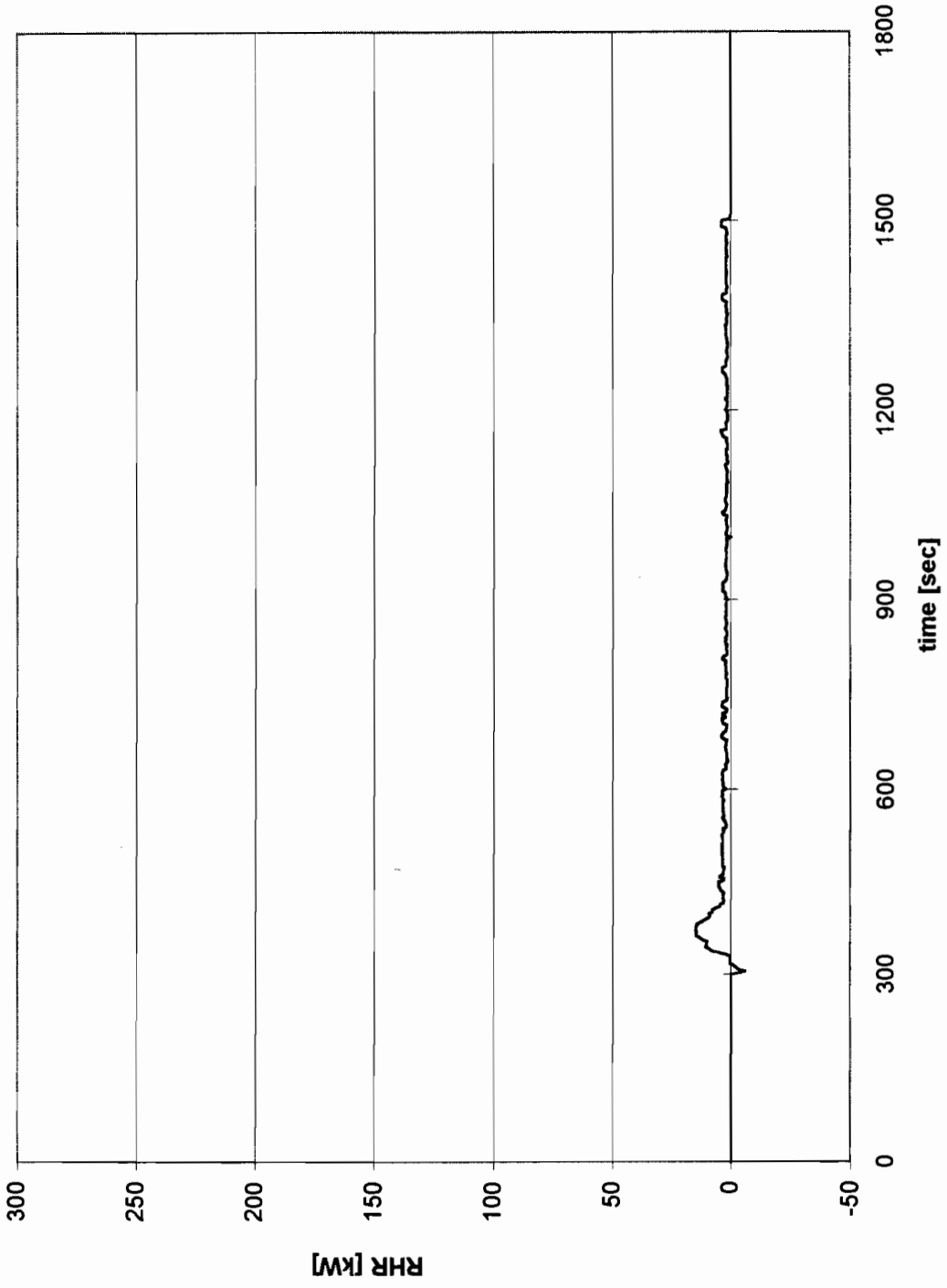
M08

3

05.08.97

v 4.1; 4 July '97

### RHR sample



L04

M09

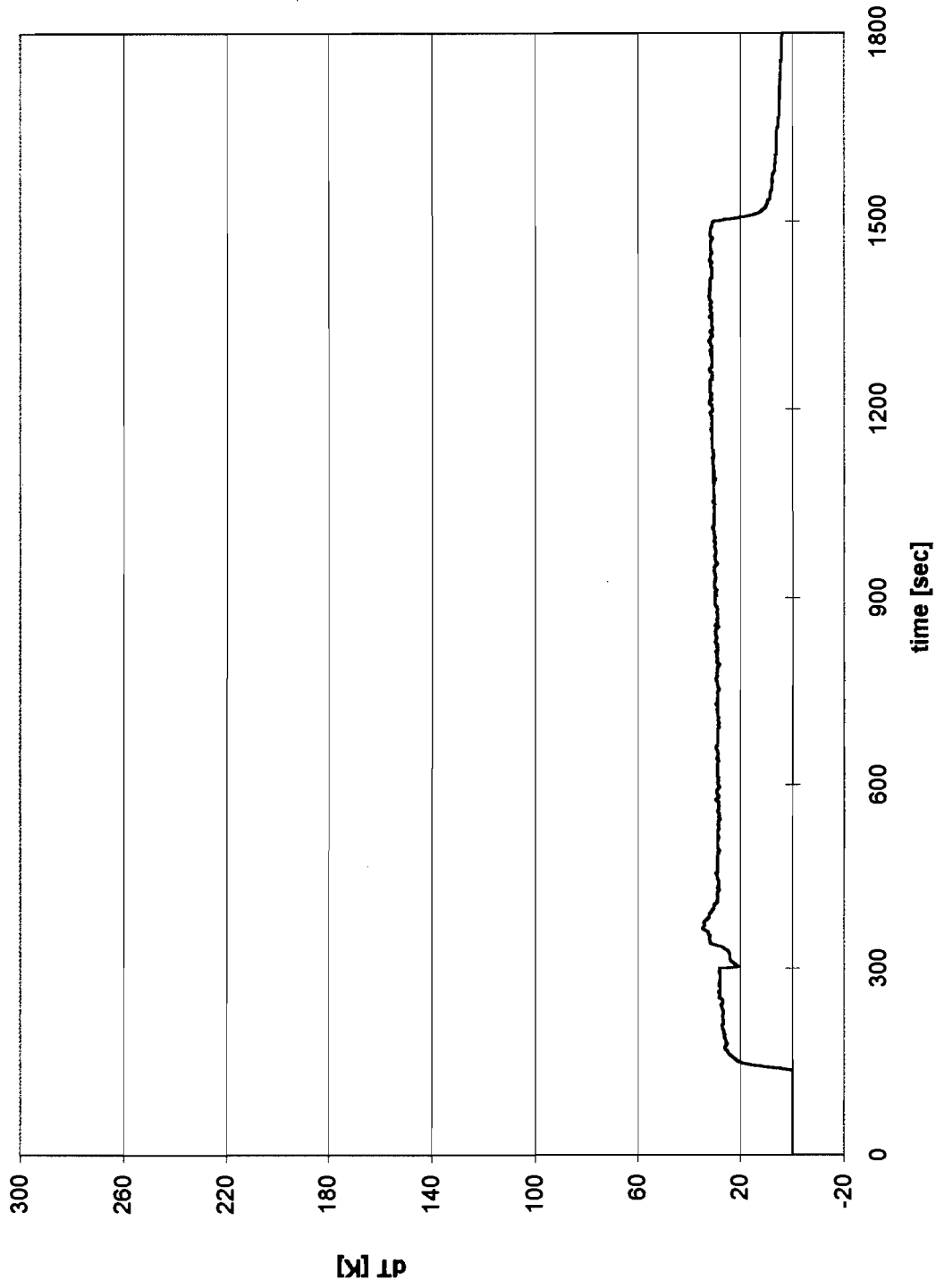
1

05.08.97

v 4.1; 4 July '97



*Temperature rise*



L04

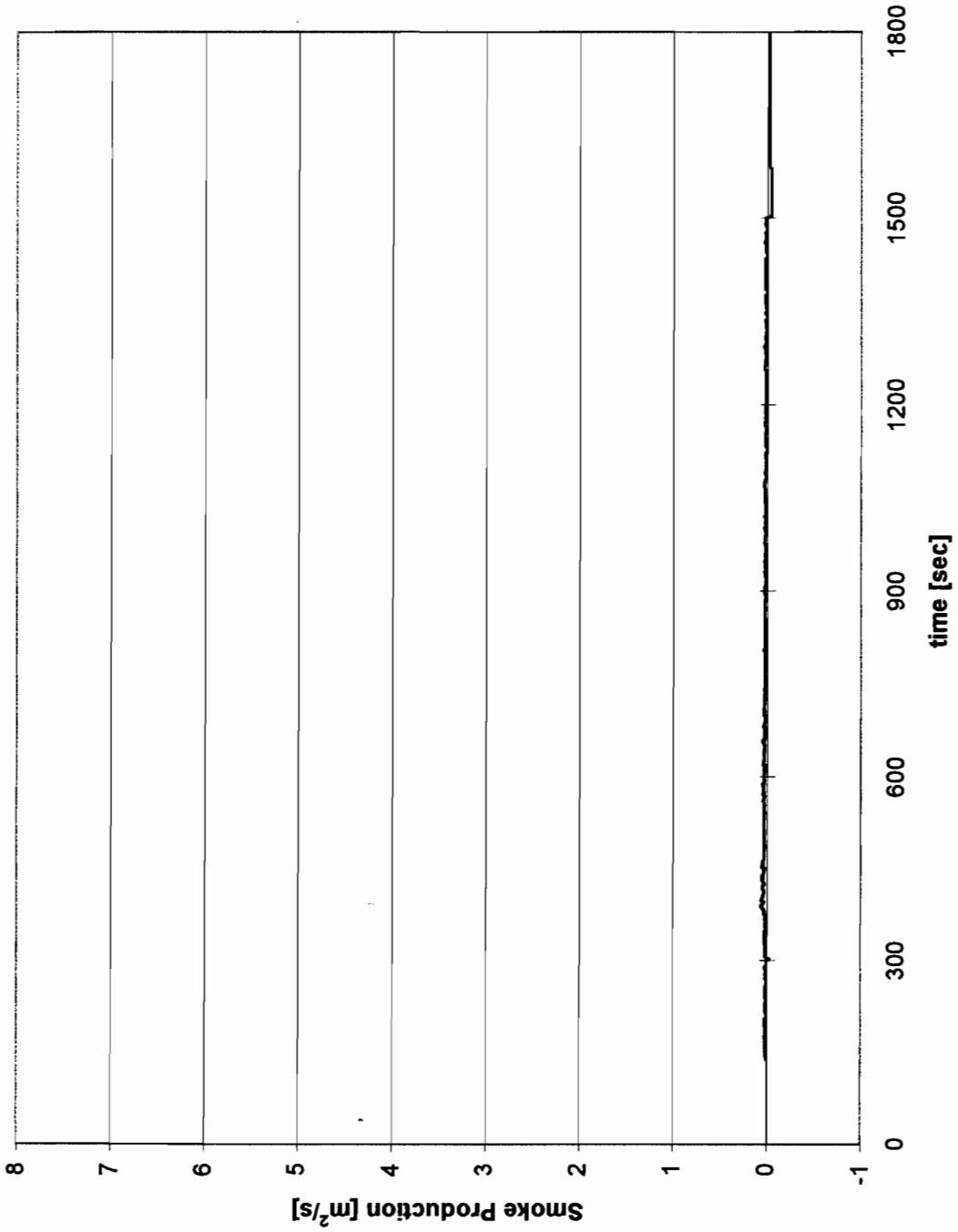
M09

1

05.08.97

v 4.1; 4 July '97

# Smoke Production



L04

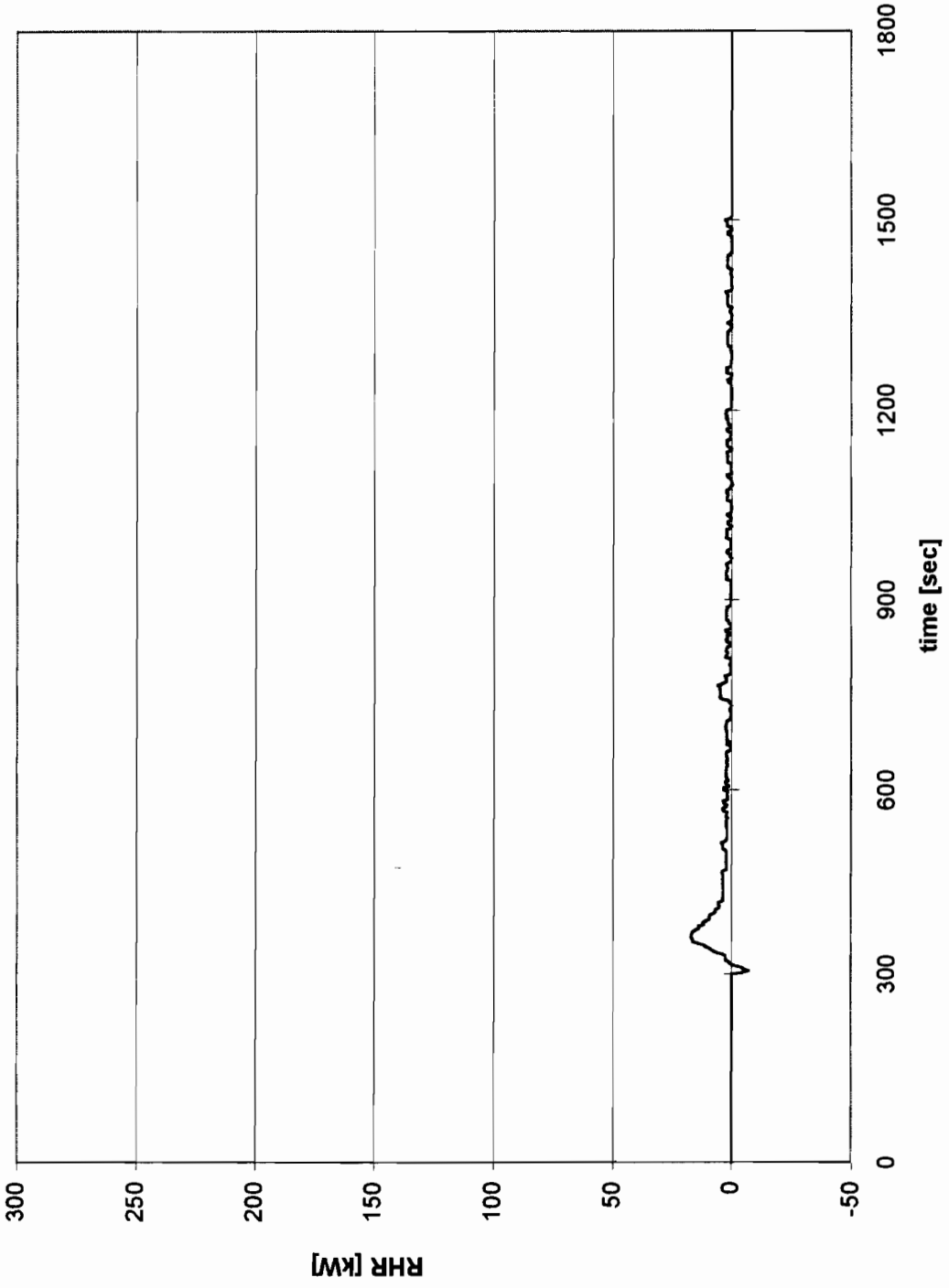
M09

1

05.08.97

v 4.1; 4 July '97

### RHR sample



L04

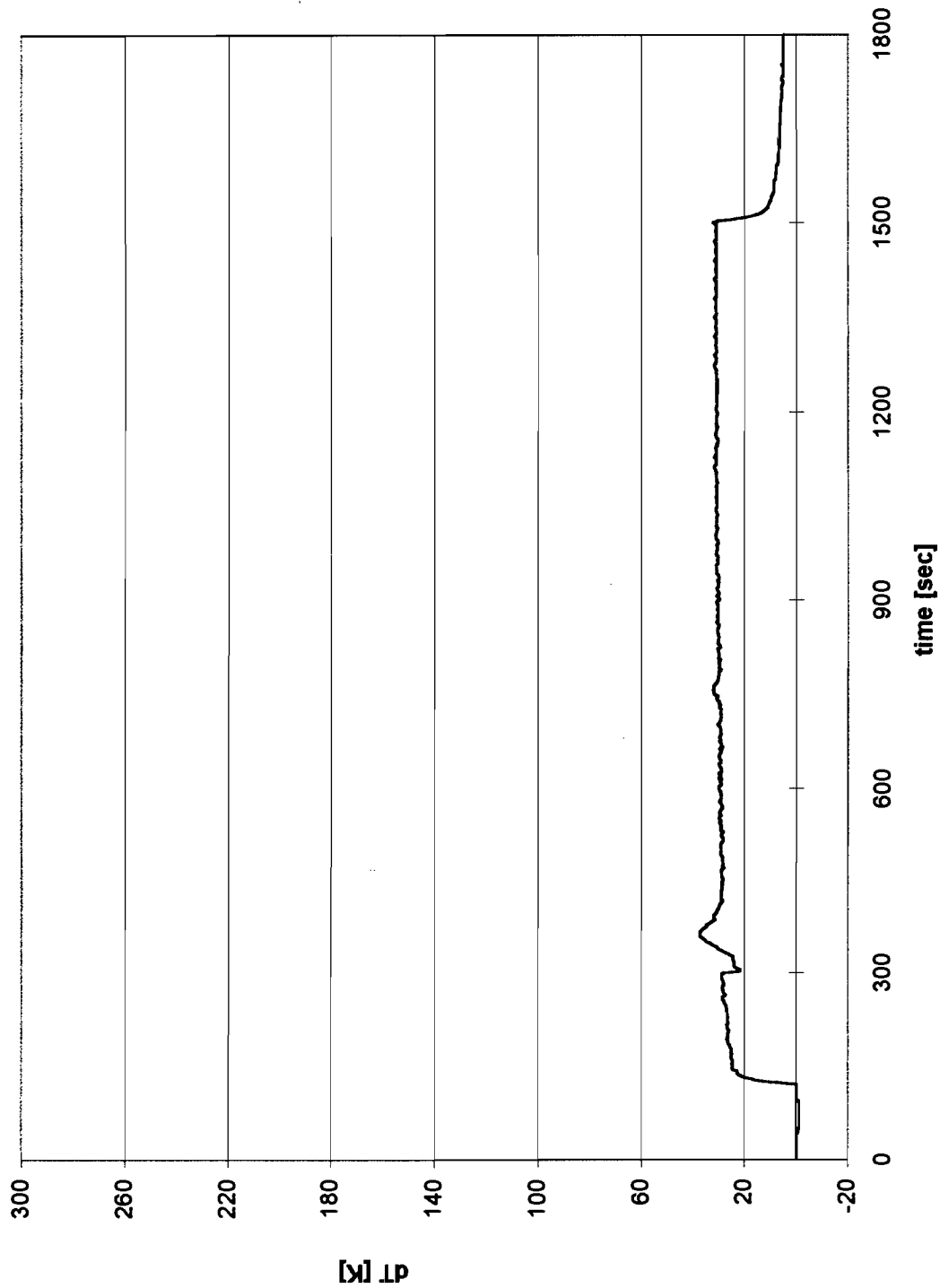
M09

2

05.08.97

v 4.1; 4 July '97

*Temperature rise*



L04

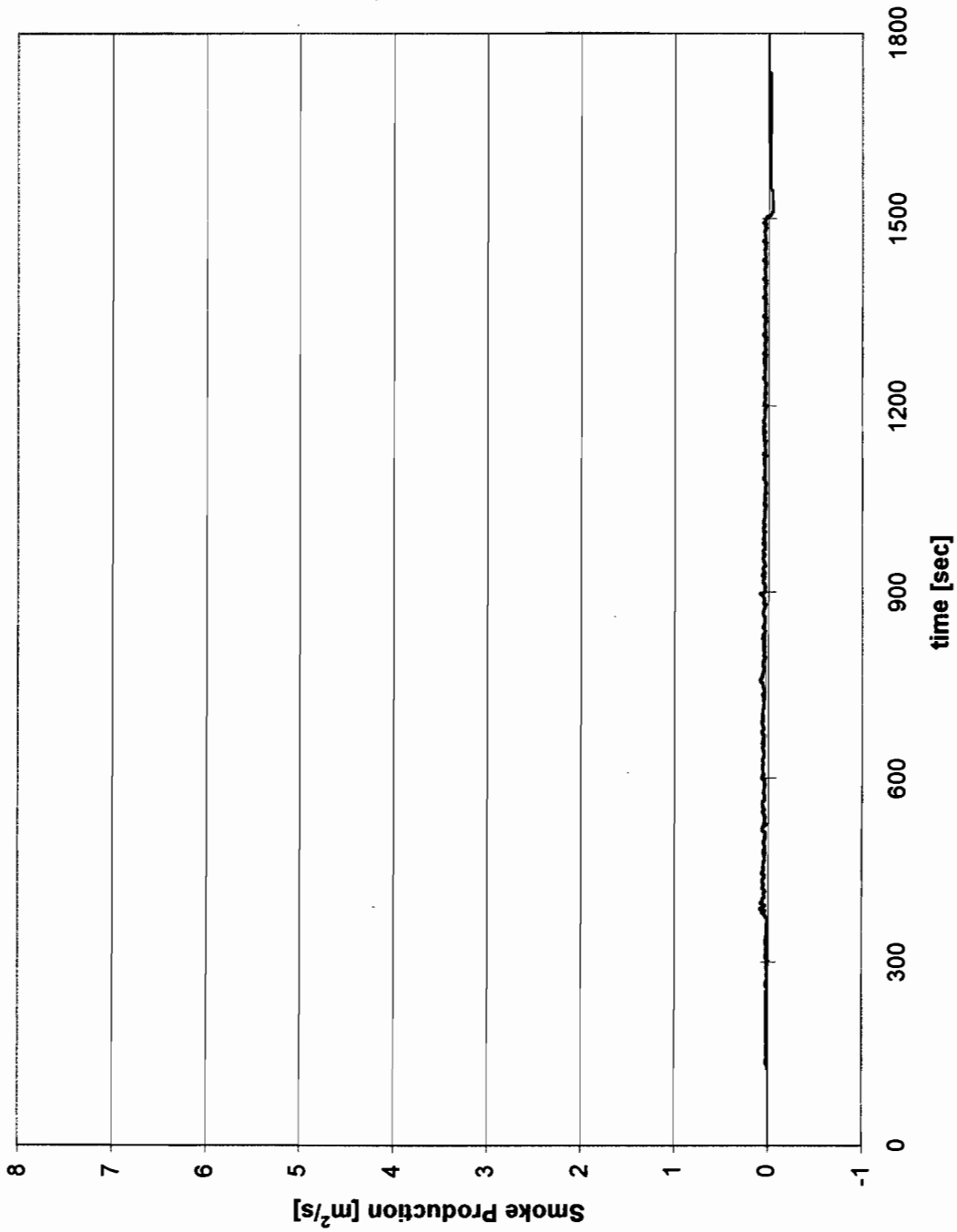
M09

2

05.08.97

v 4.1; 4 July '97

### Smoke Production



L04

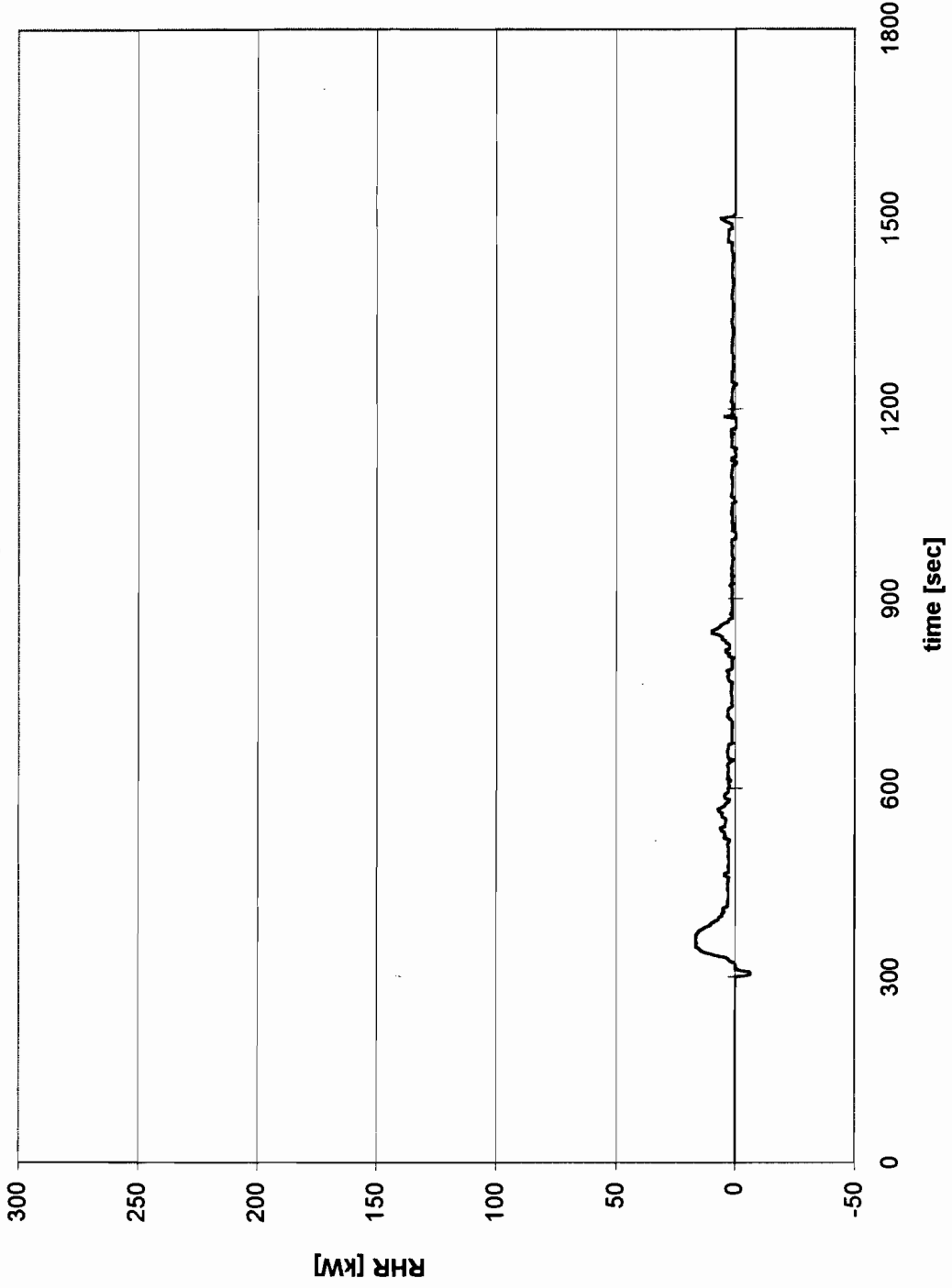
M09

2

05.08.97

v 4.1; 4 July '97

*RHR sample*



L04

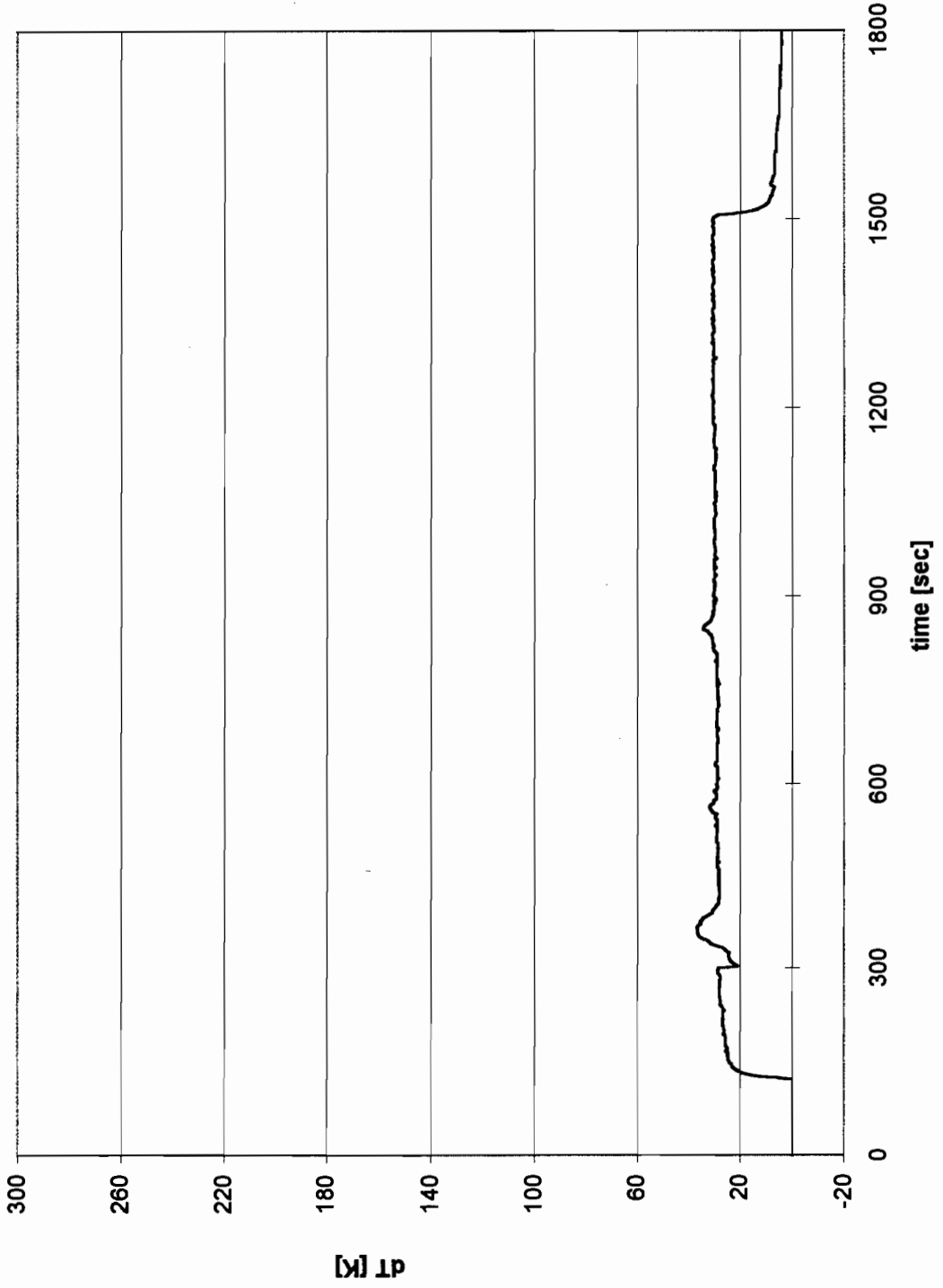
M09

3

05.08.97

v 4.1; 4 July '97

*Temperature rise*



L04

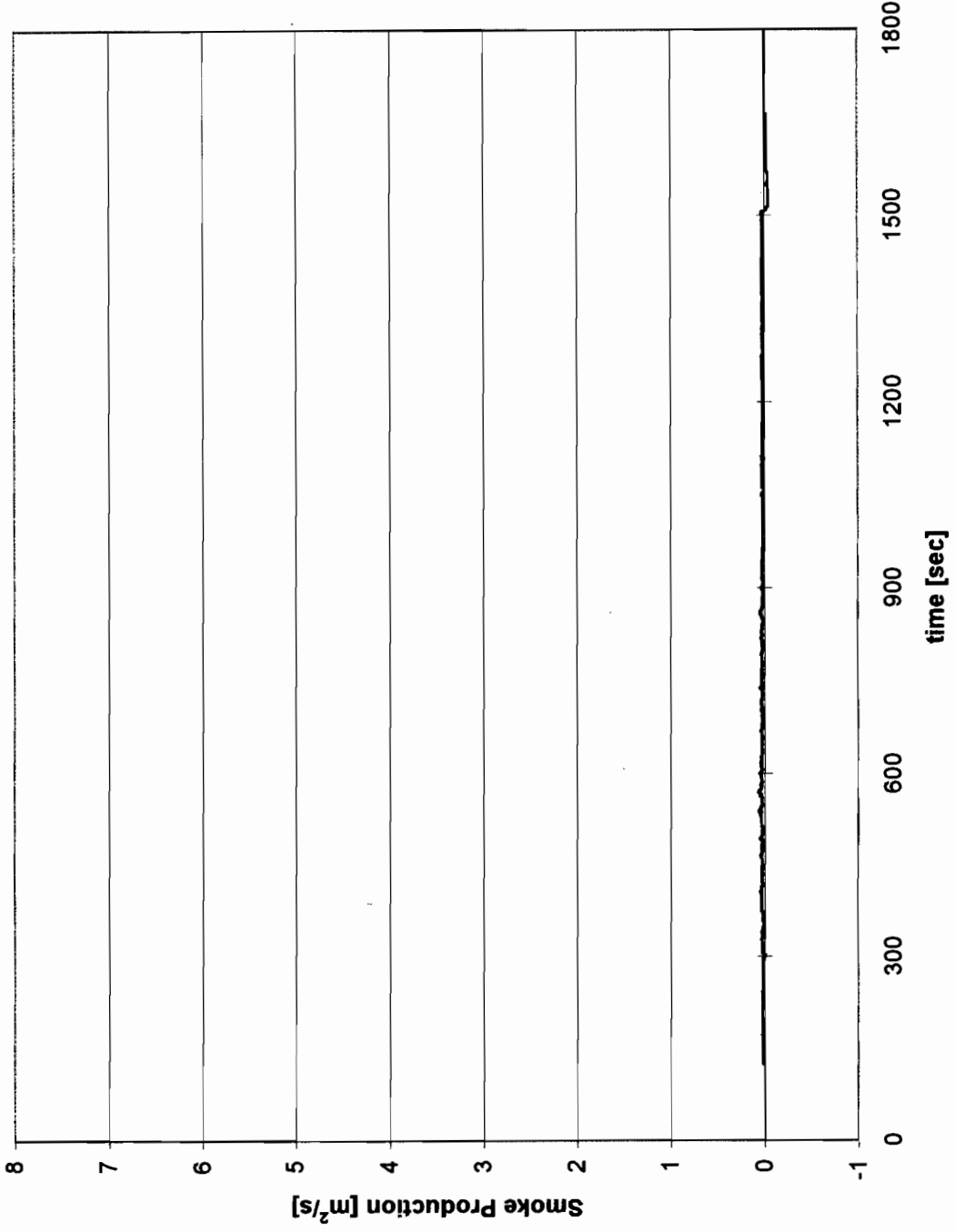
M09

3

05.08.97

v 4.1; 4 July '97

# Smoke Production



L04

M09

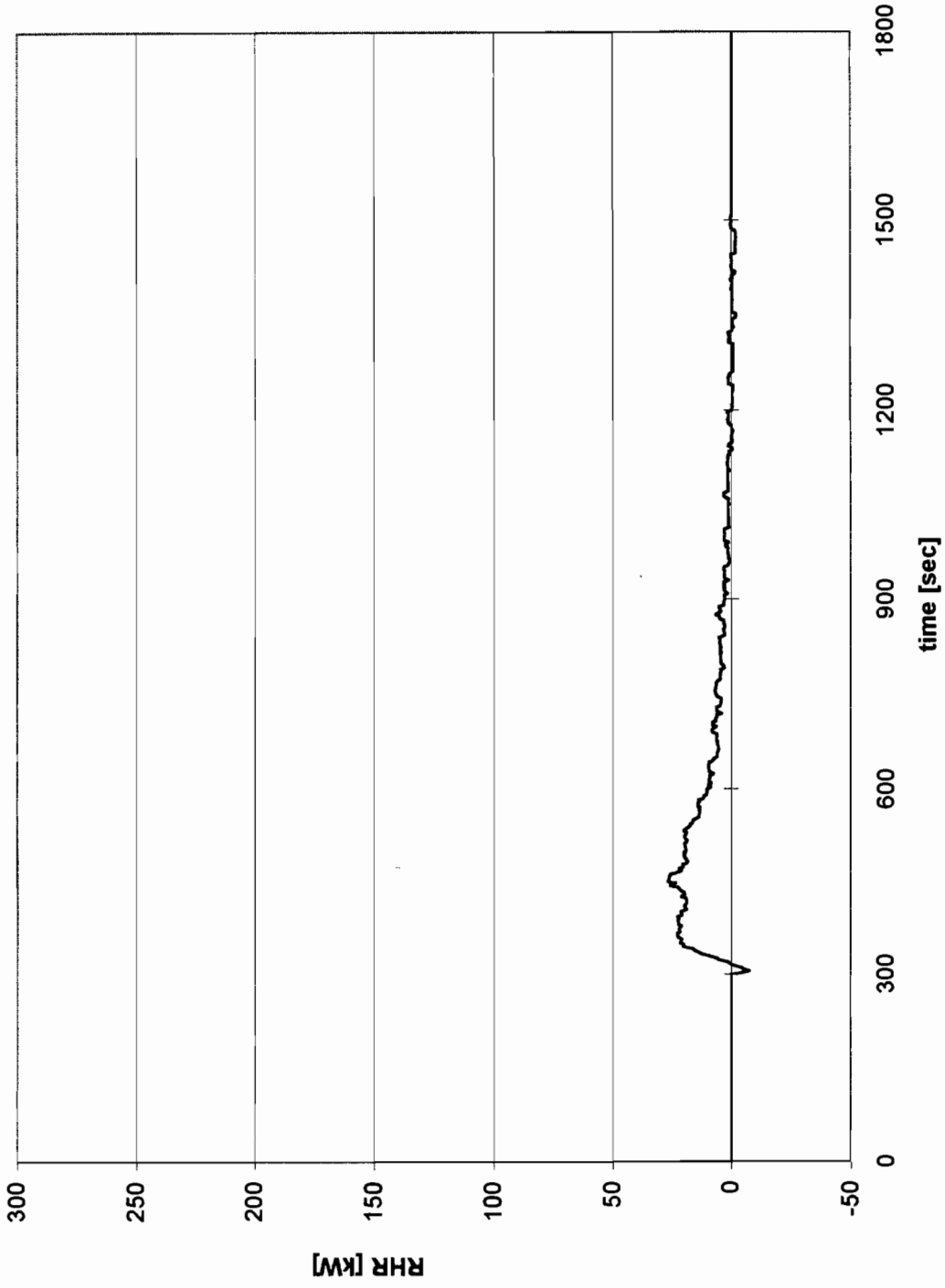
3

05.08.97

v 4.1; 4 July '97



*RHR sample*



L04

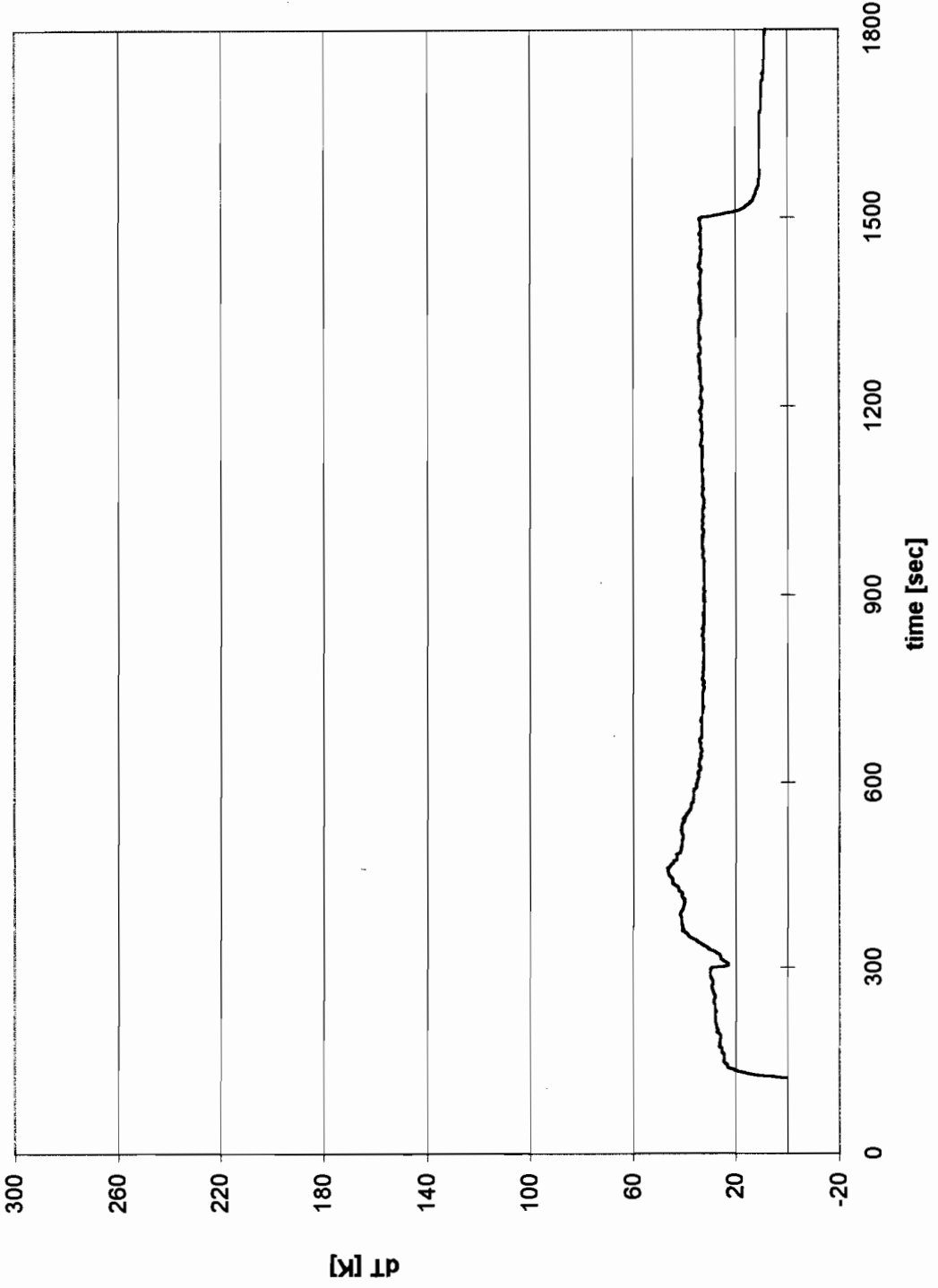
M10

1

14.08.97

v 4.1; 4 July '97

### Temperature rise



L04

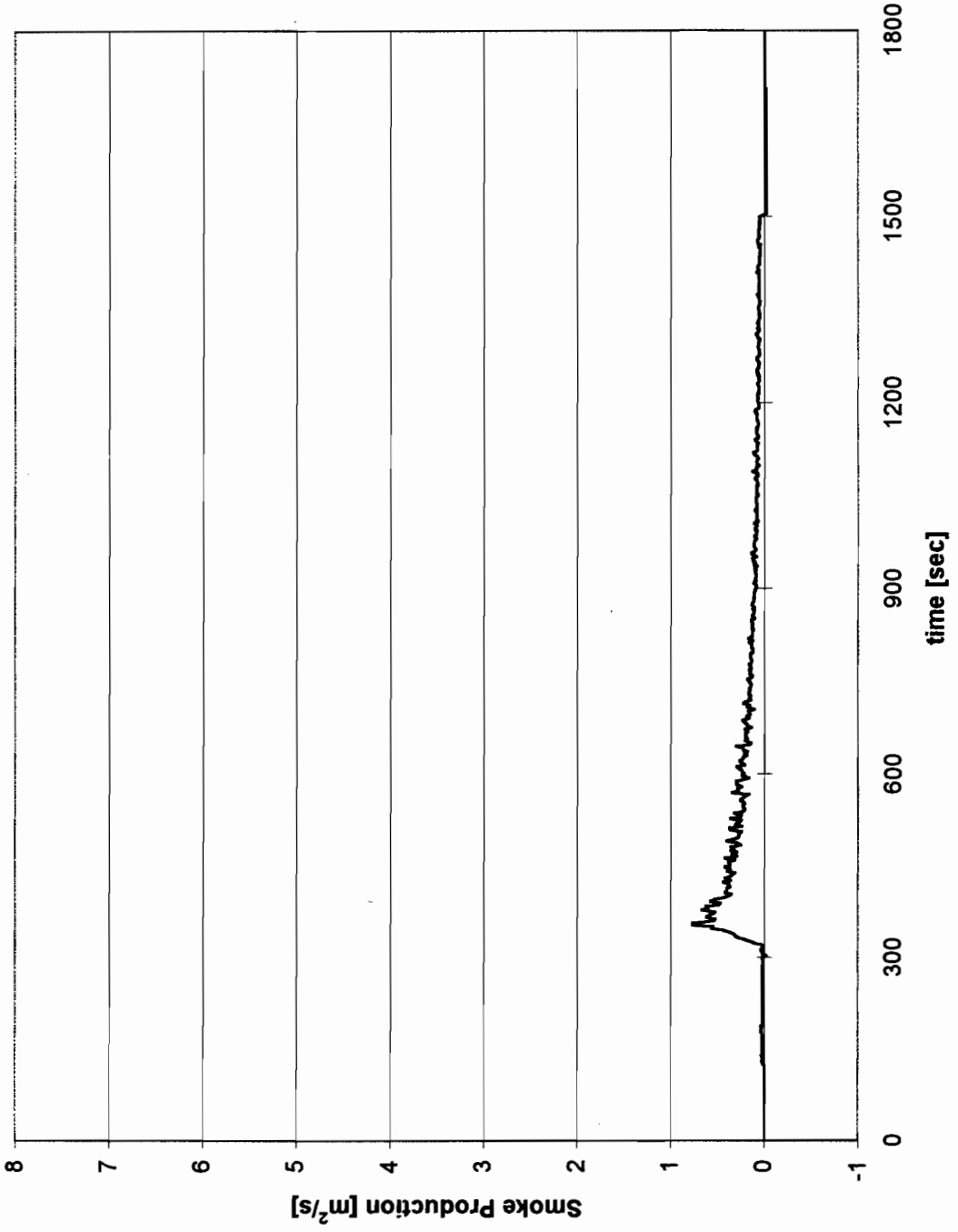
M10

1

14.08.97

v 4.1; 4 July '97

# Smoke Production



L04

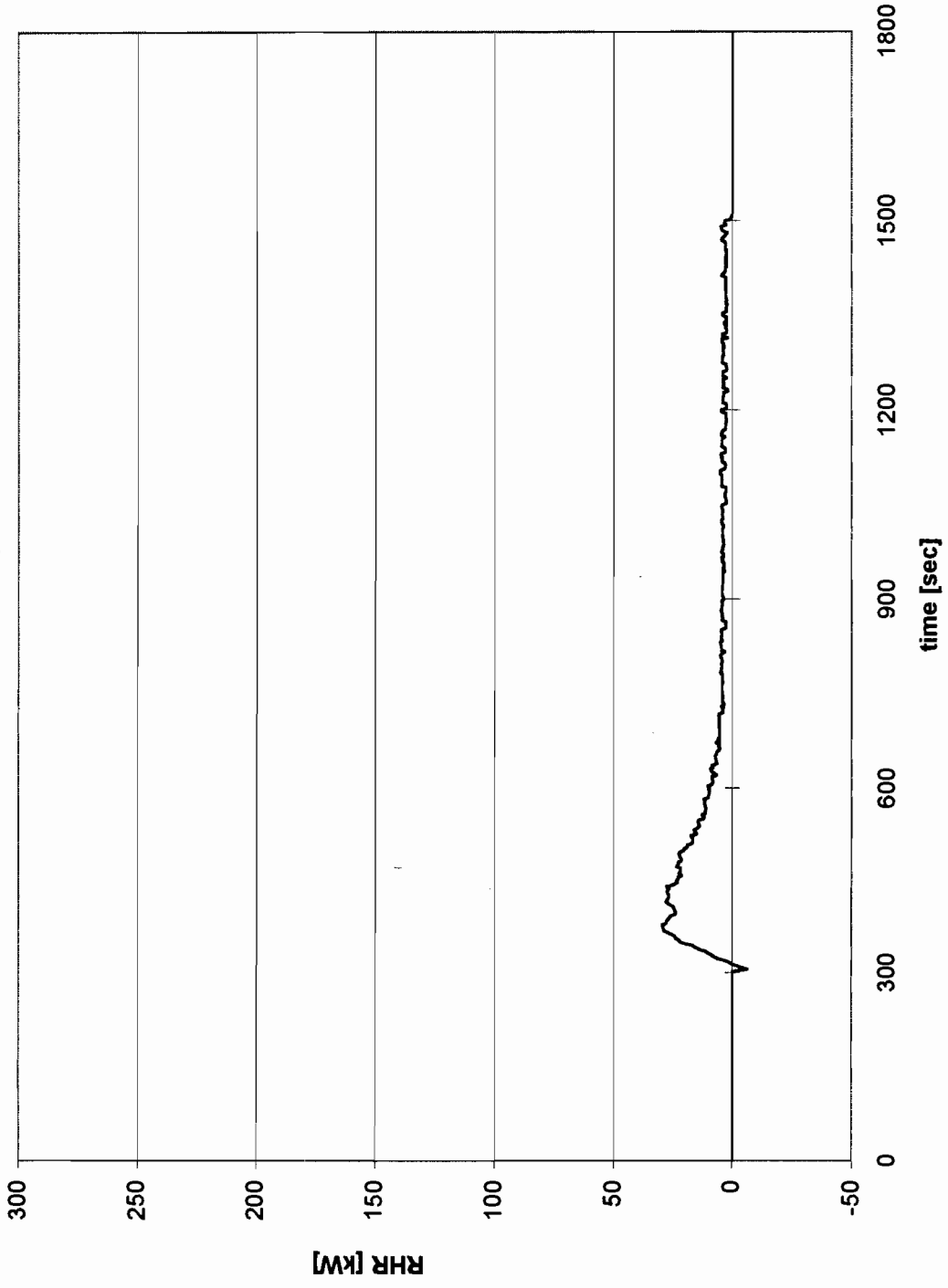
M10

1

14.08.97

v 4.1; 4 July '97

*RHR sample*



L04

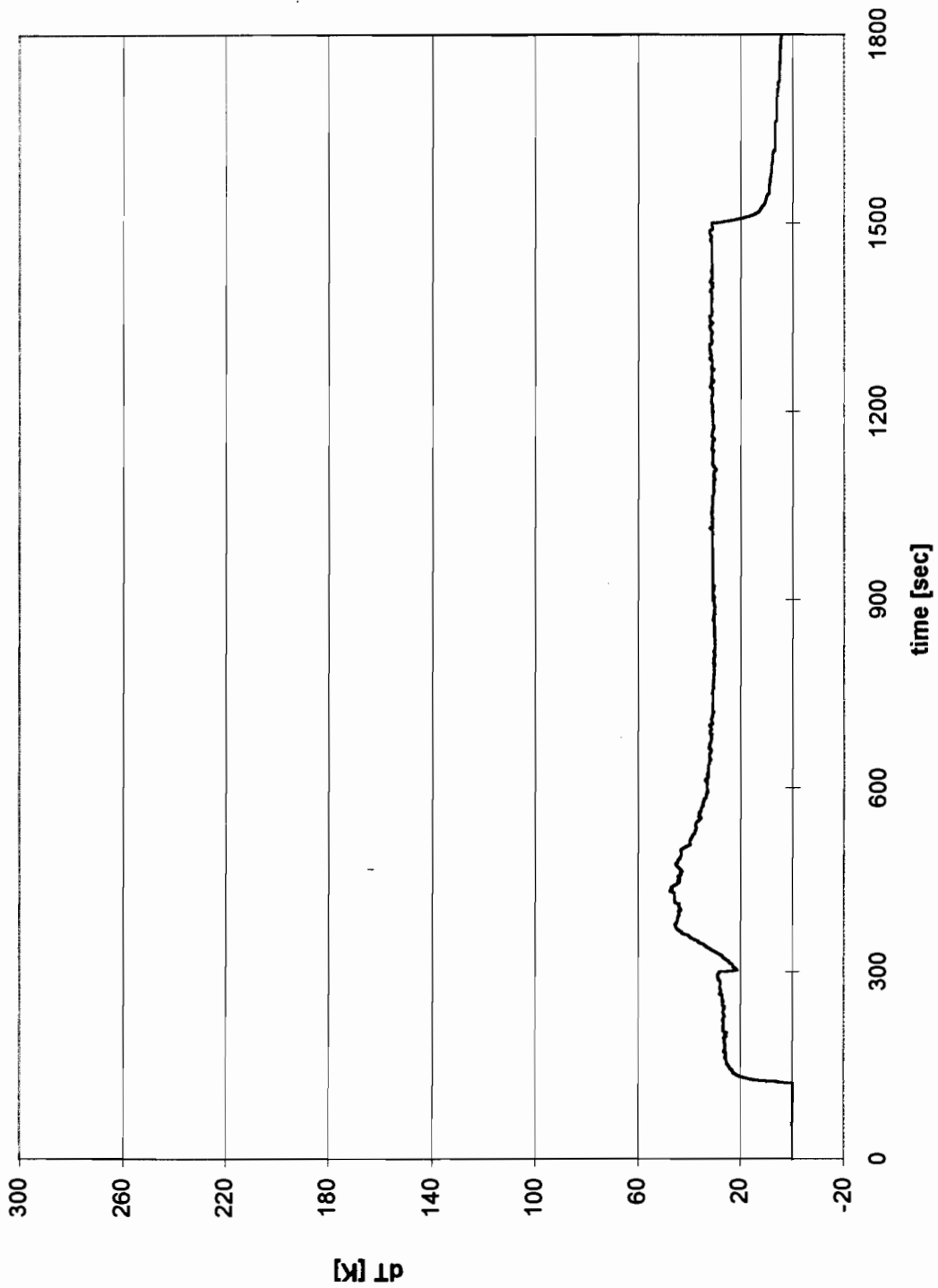
M10

2

21.08.97

v 4.1; 4 July '97

### Temperature rise



L04

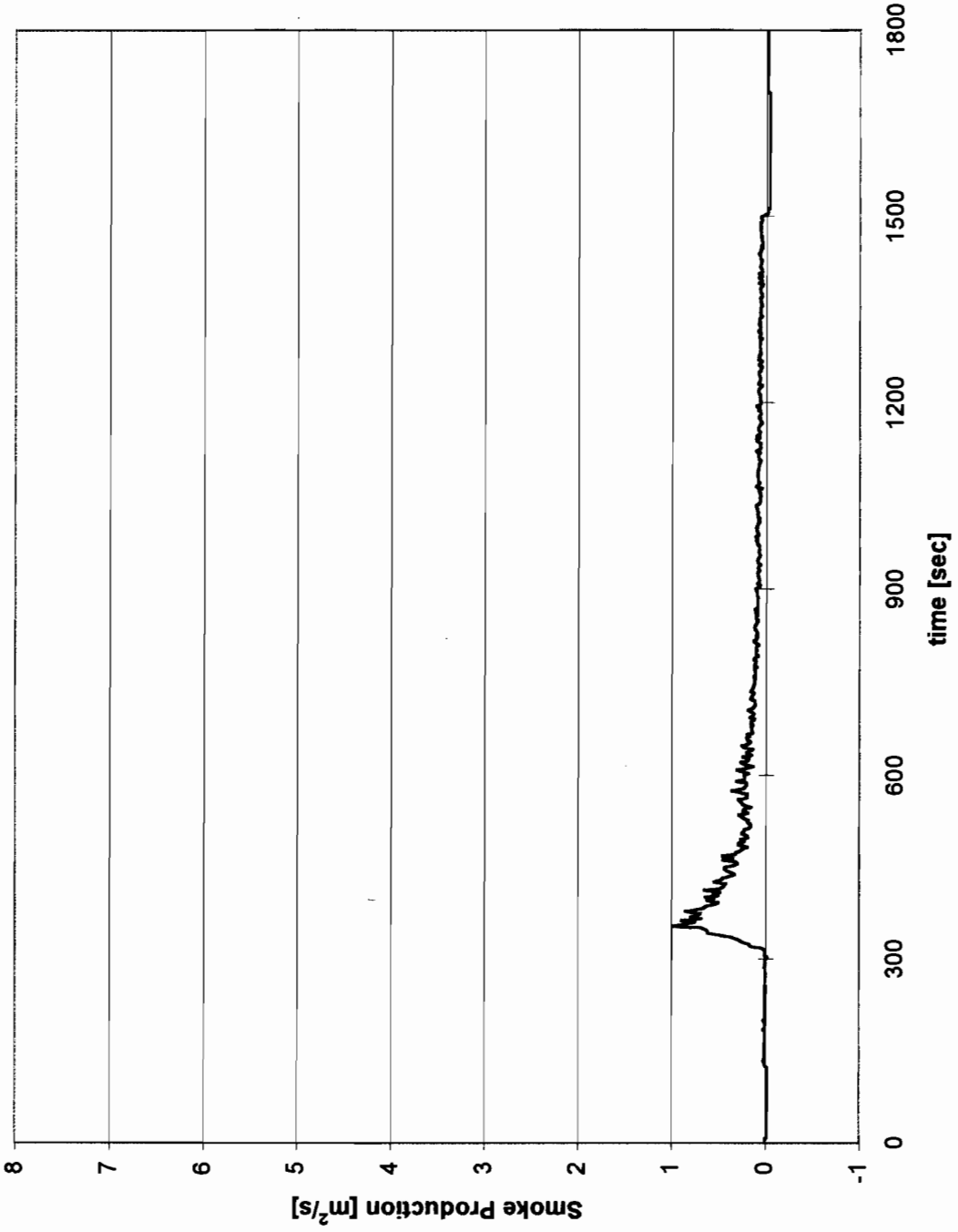
M10

2

21.08.97

v 4.1; 4 July '97

### Smoke Production



L04

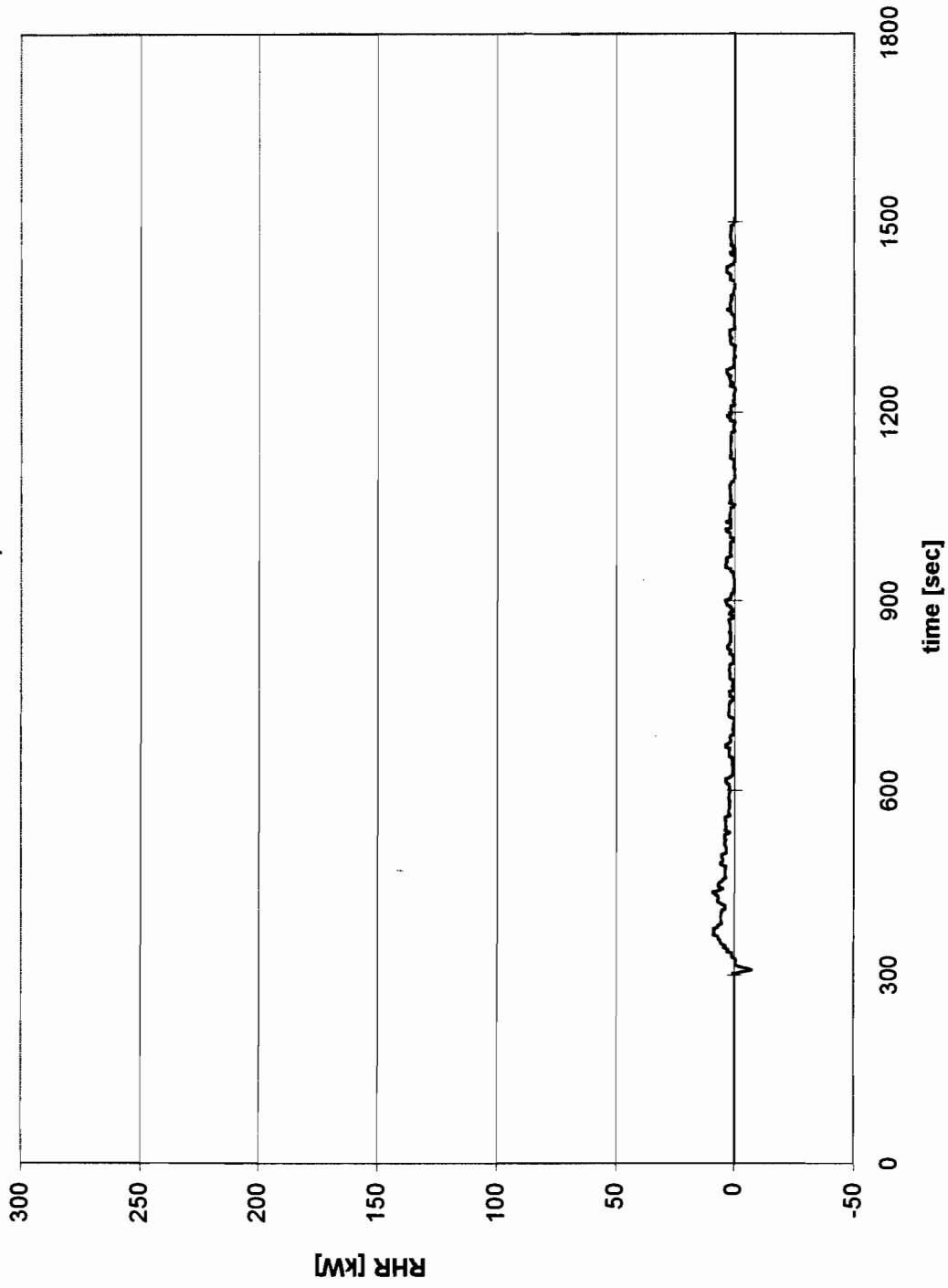
M10

2

21.08.97

v 4.1; 4 July '97

*RHR sample*



L04

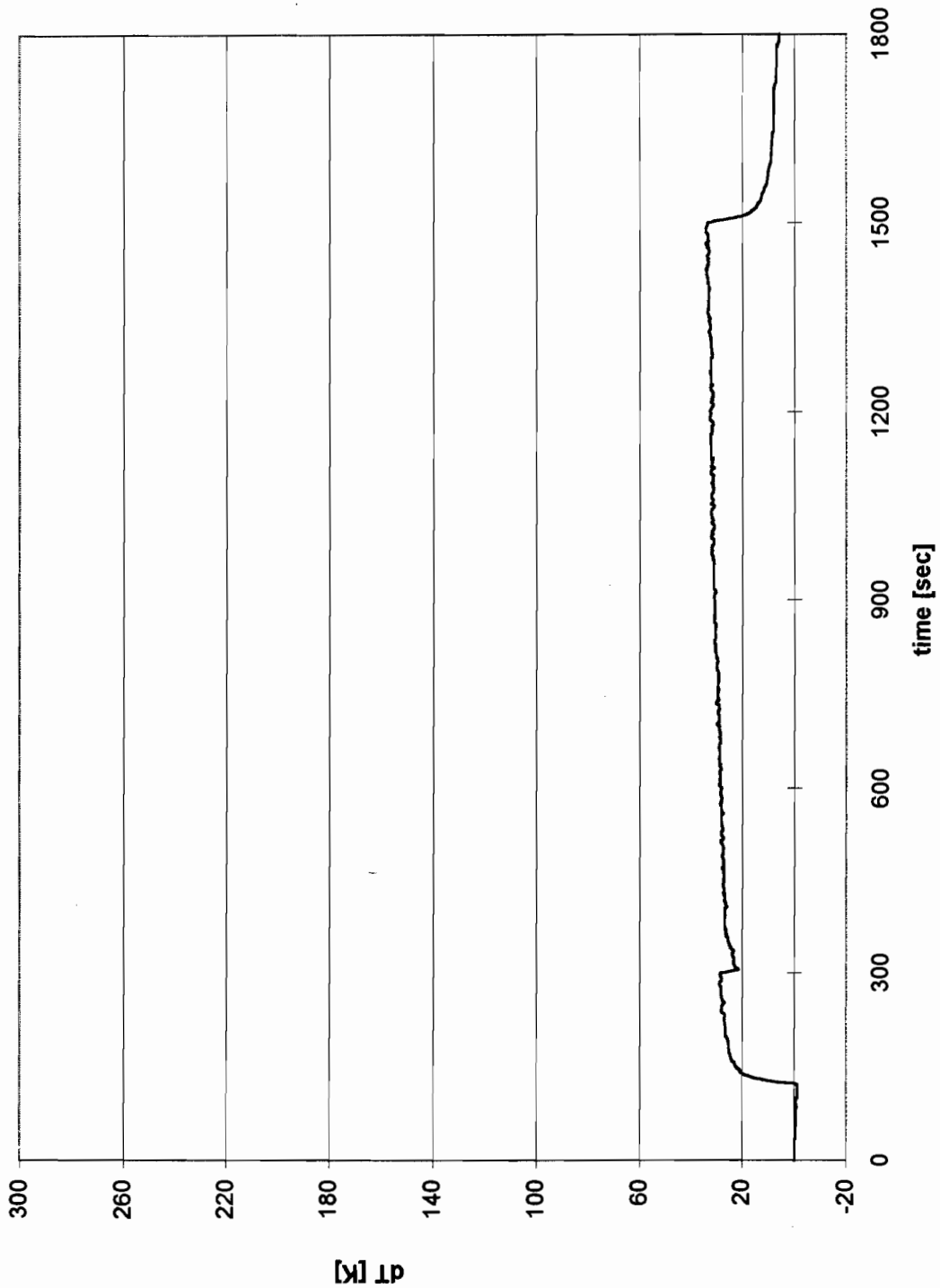
M11

1

03.09.97

v 4.1; 4 July '97

### Temperature rise



L04

M11

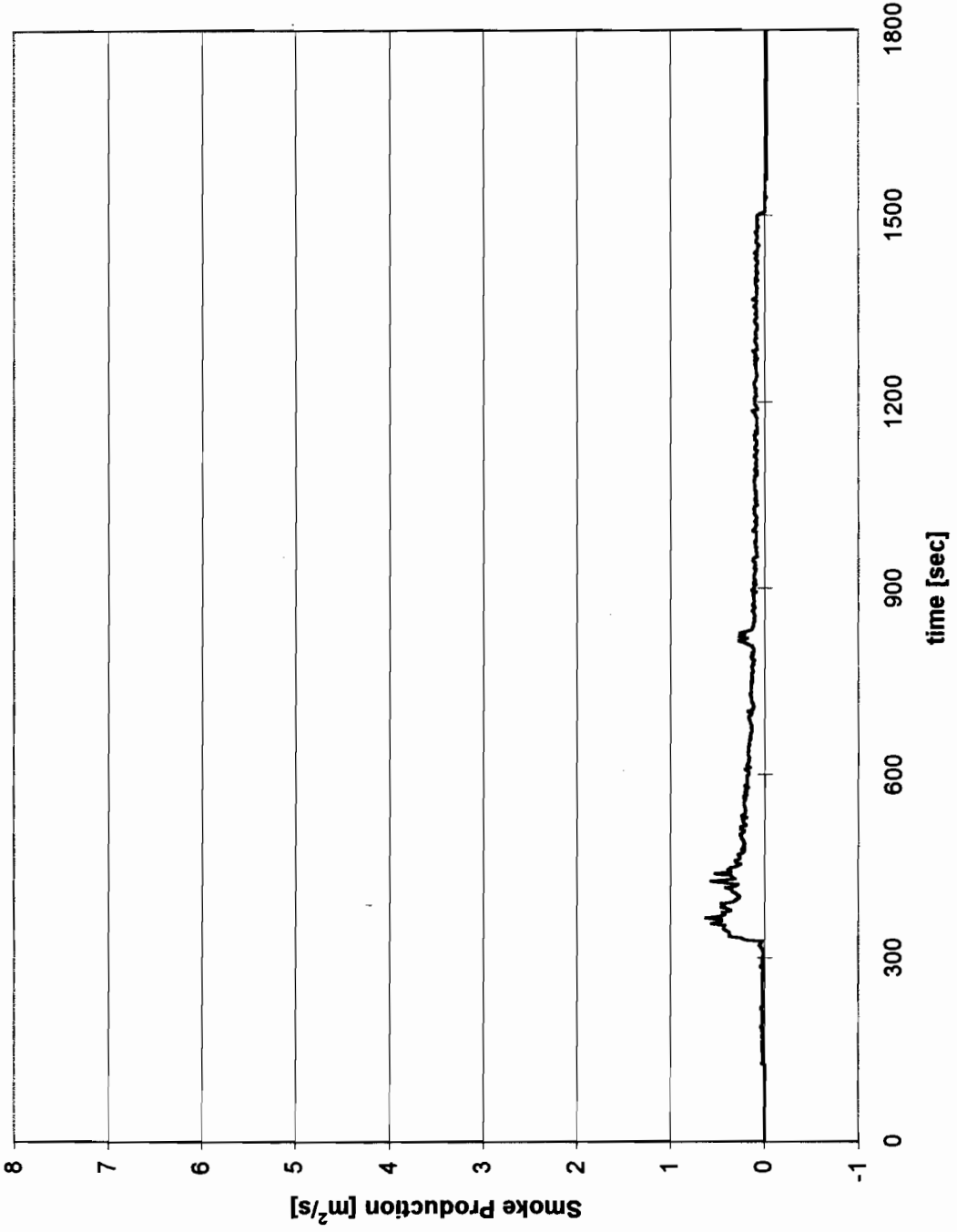
1

03.09.97

v 4.1; 4 July '97



# Smoke Production



L04

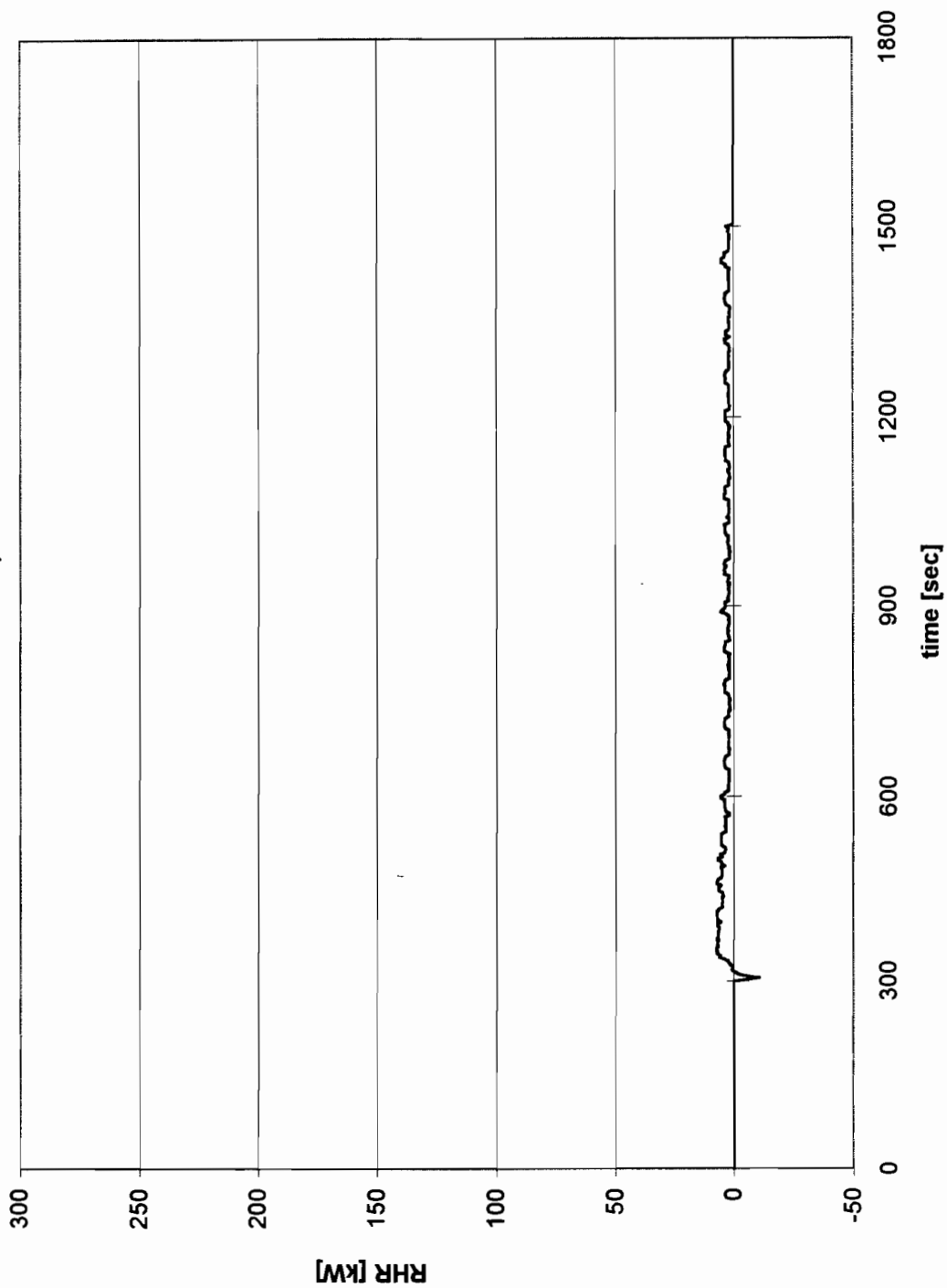
M11

1

03.09.97

v 4.1; 4 July '97

### RHR sample



L04

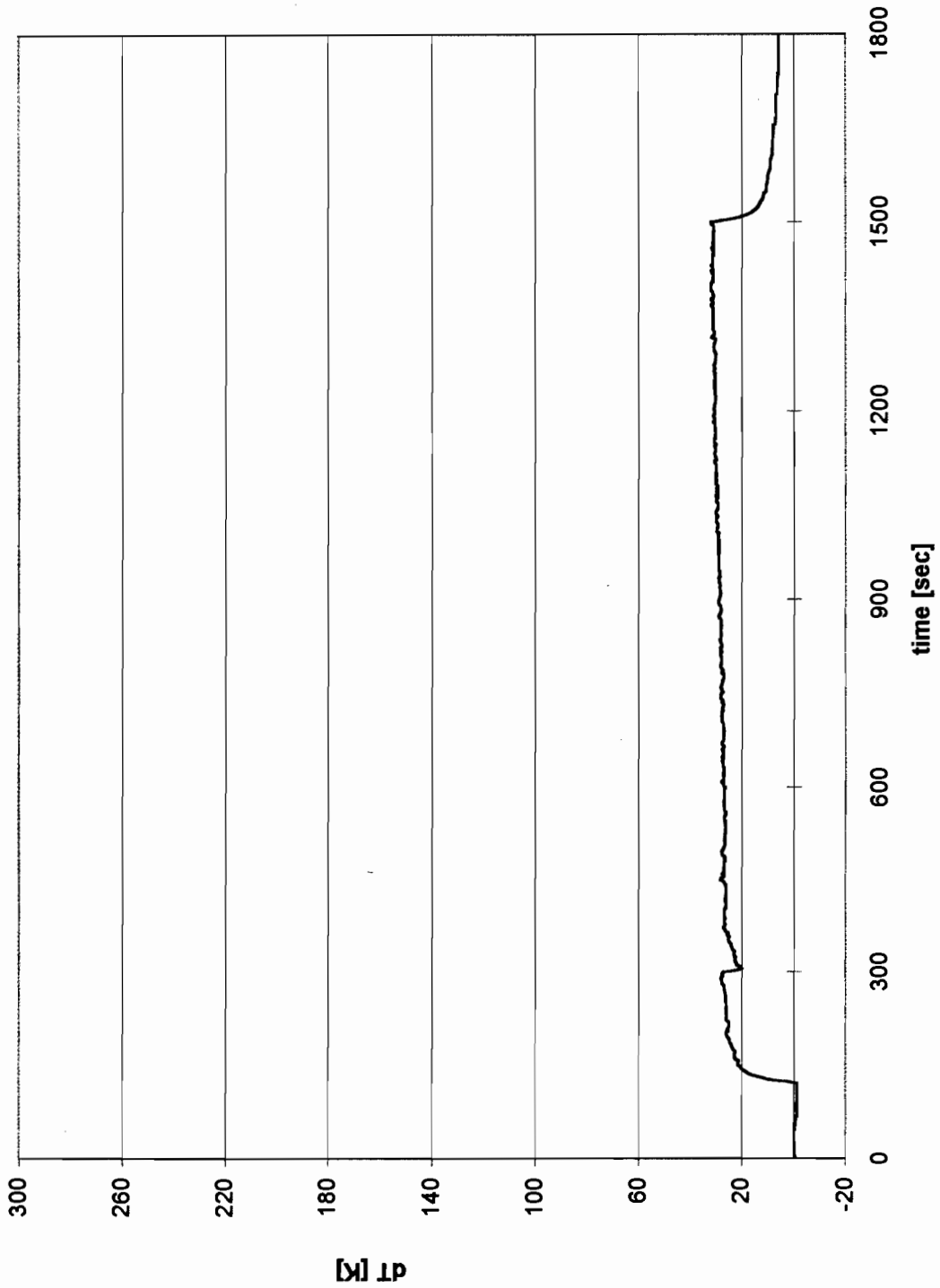
M11

2

03.09.97

v 4.1; 4 July '97

*Temperature rise*



L04

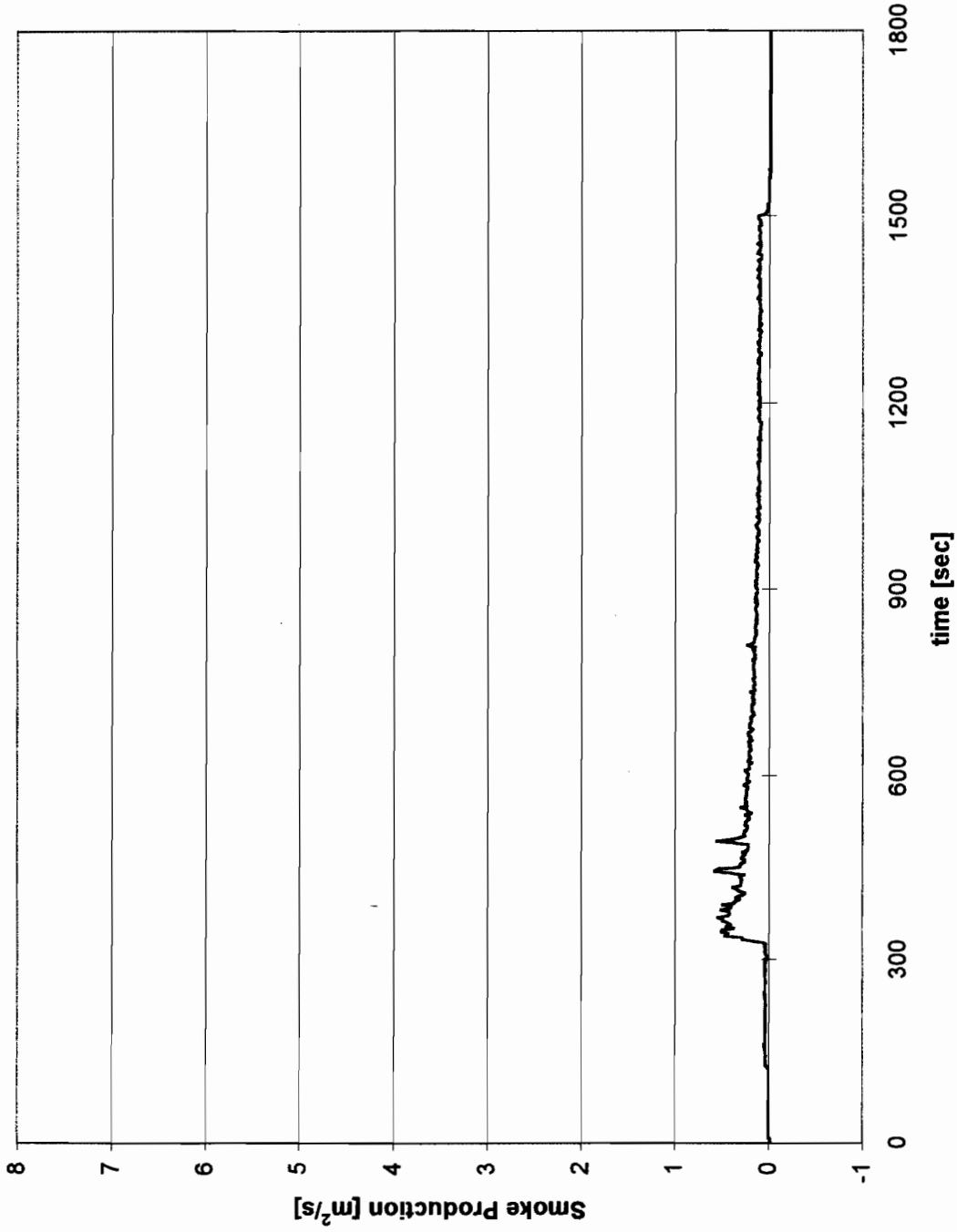
M11

2

03.09.97

v 4.1; 4 July '97

# Smoke Production



L04

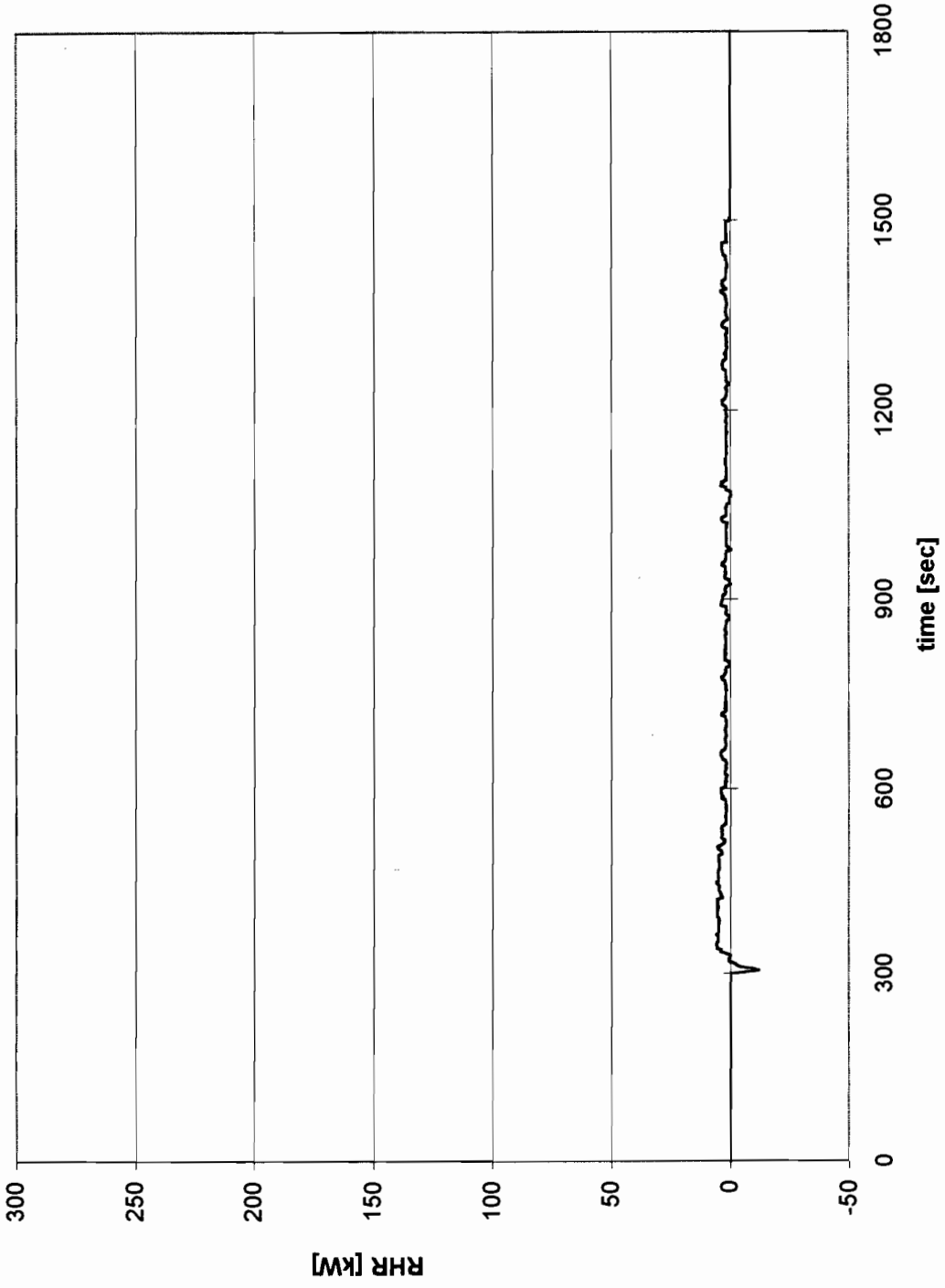
M11

2

03.09.97

v 4.1; 4 July '97

*RHR sample*



L04

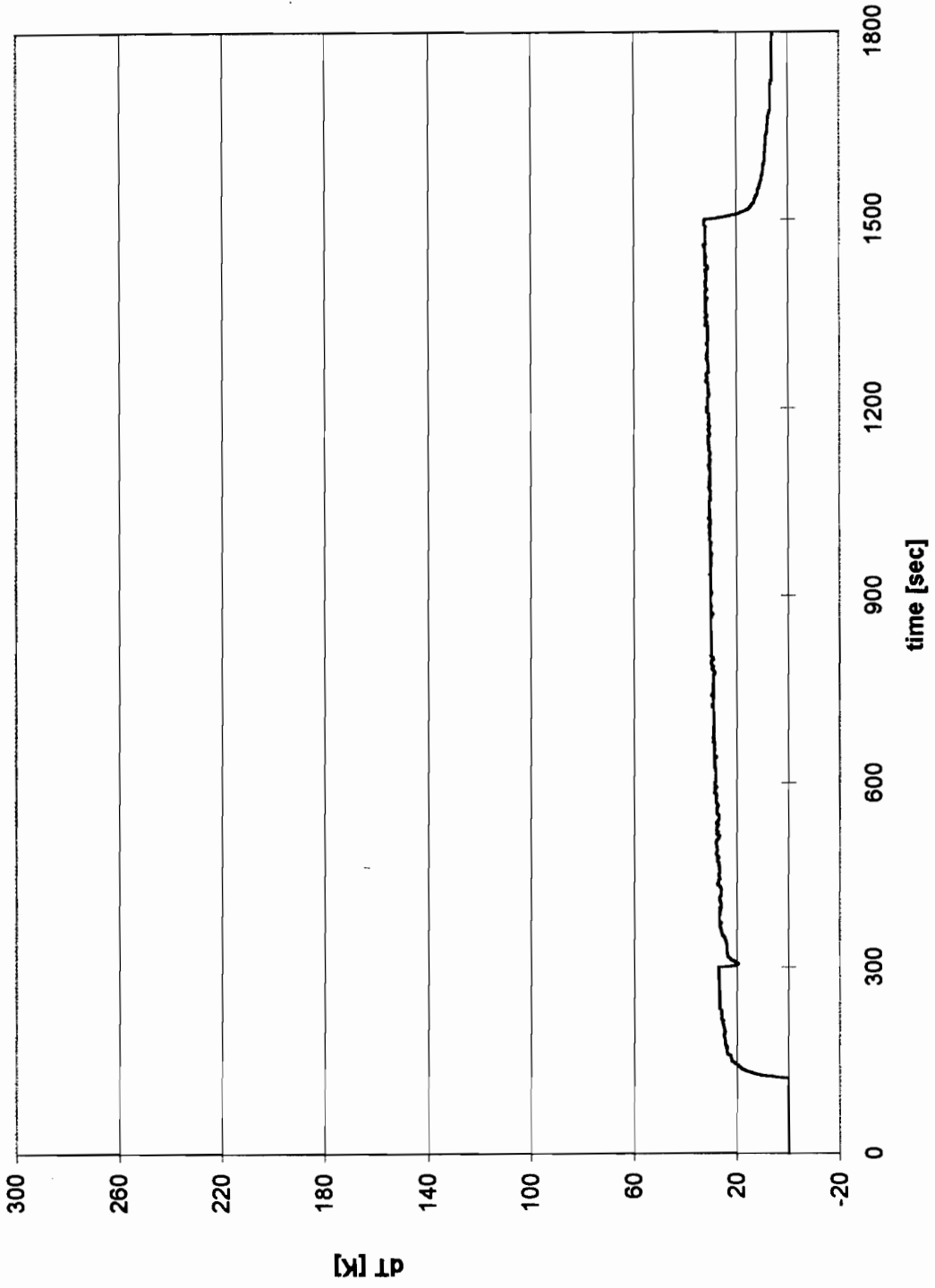
M11

3

04.09.97

v 4.1; 4 July '97

*Temperature rise*



L04

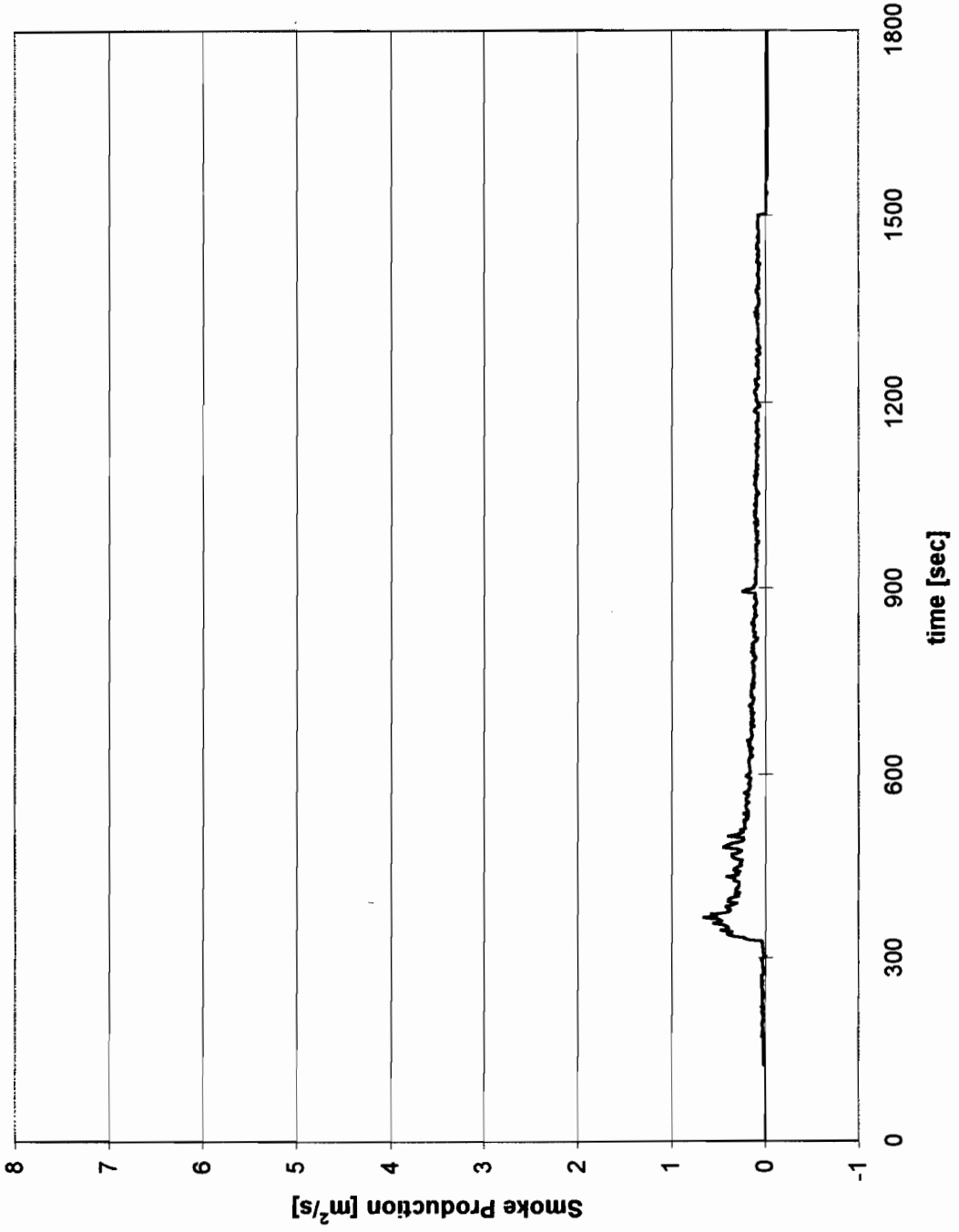
M11

3

04.09.97

v 4.1; 4 July '97

# Smoke Production



L04

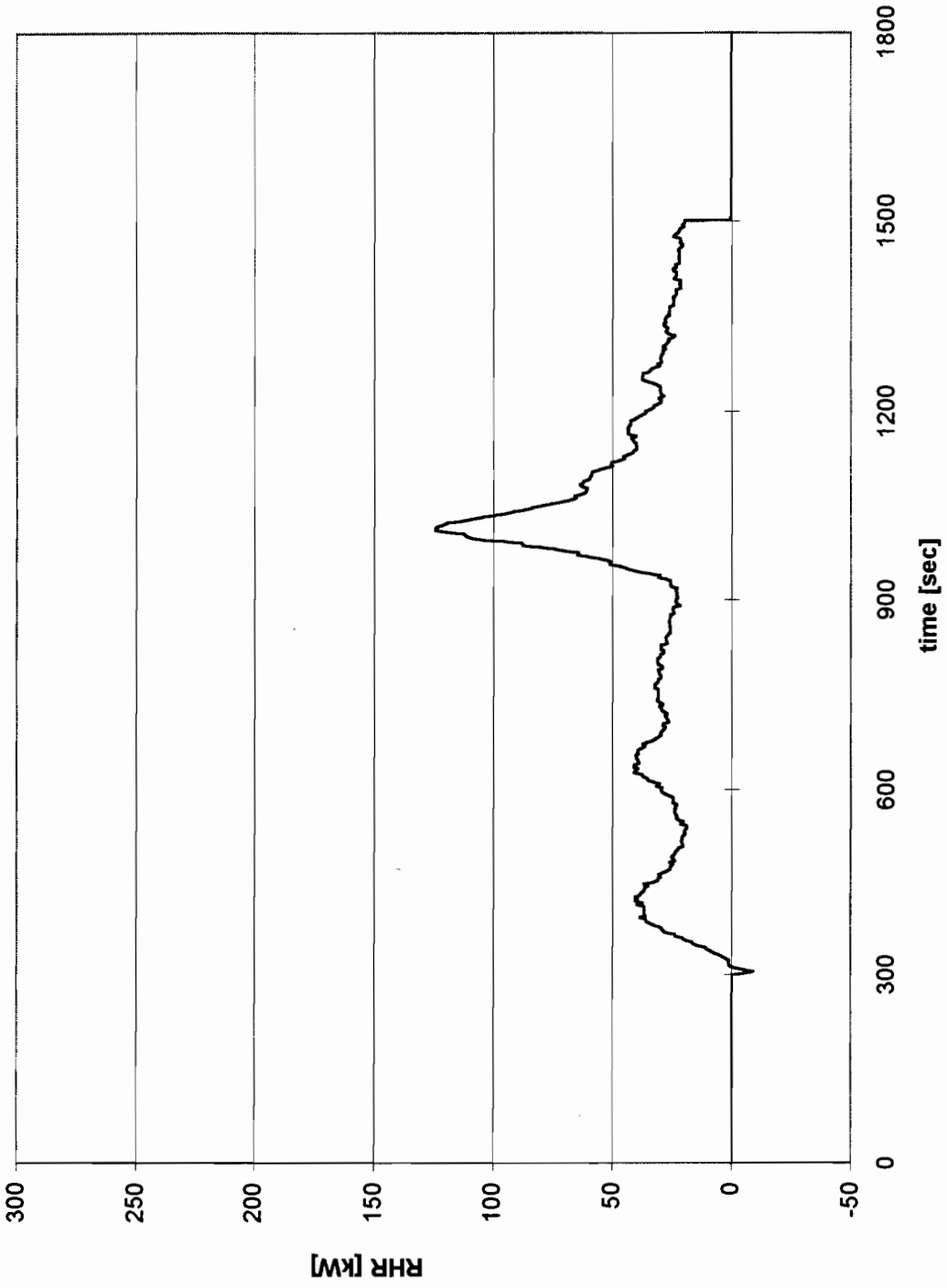
M11

3

04.09.97

v 4.1; 4 July '97

### RHR sample



L04

M12

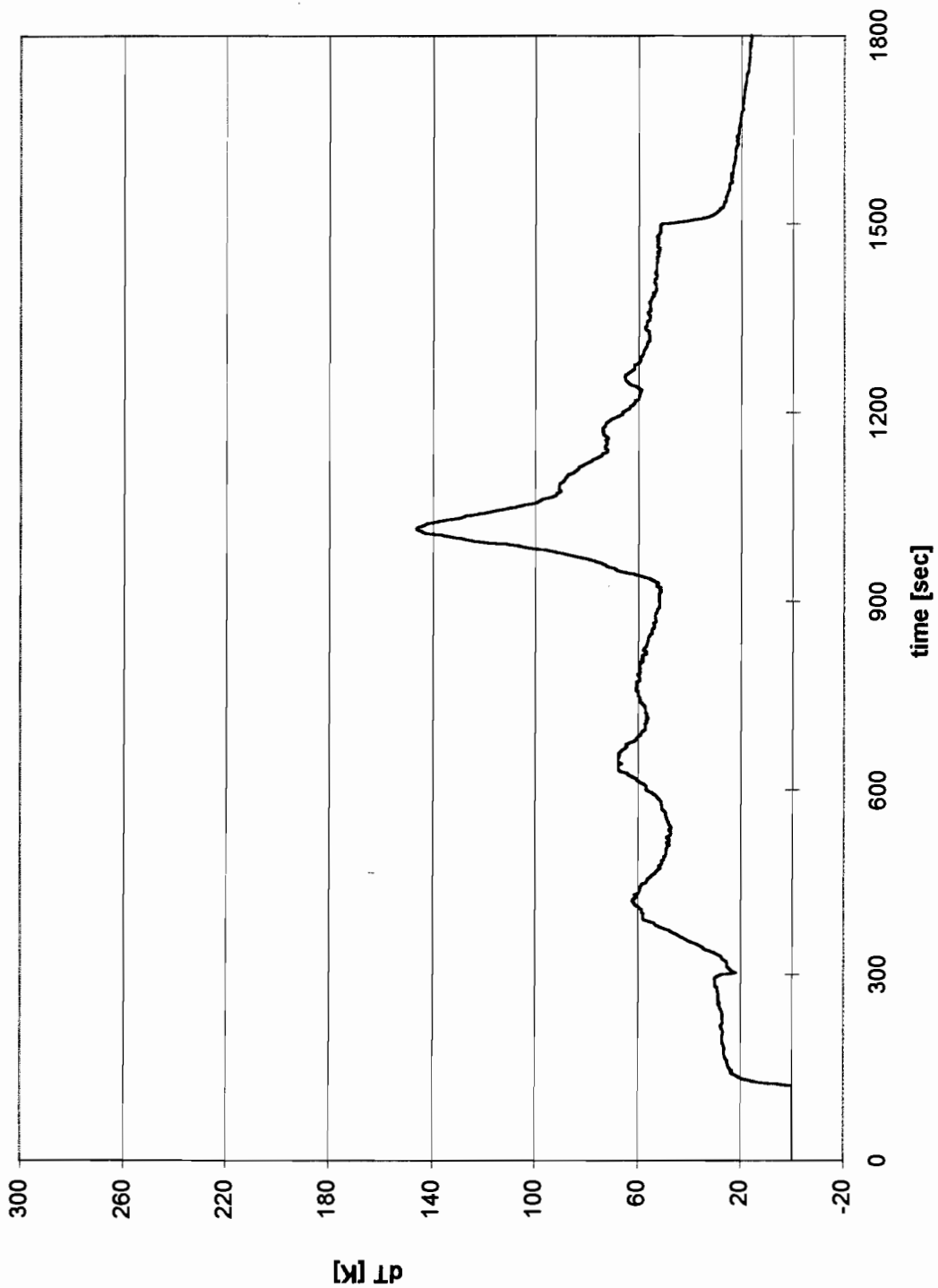
1

06.08.97

v 4.1; 4 July '97



### Temperature rise



L04

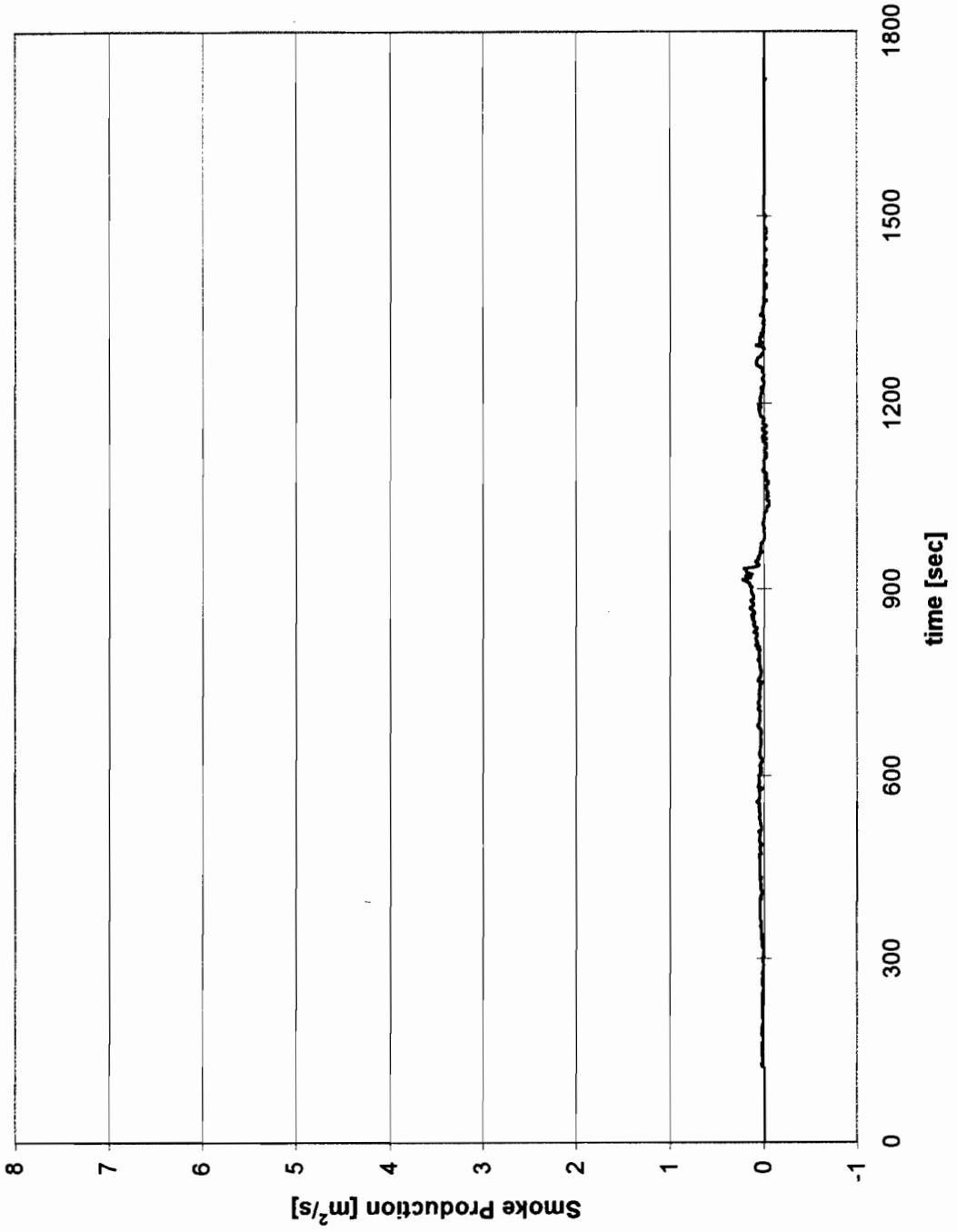
M12

1

06.08.97

v 4.1; 4 July '97

### Smoke Production



L04

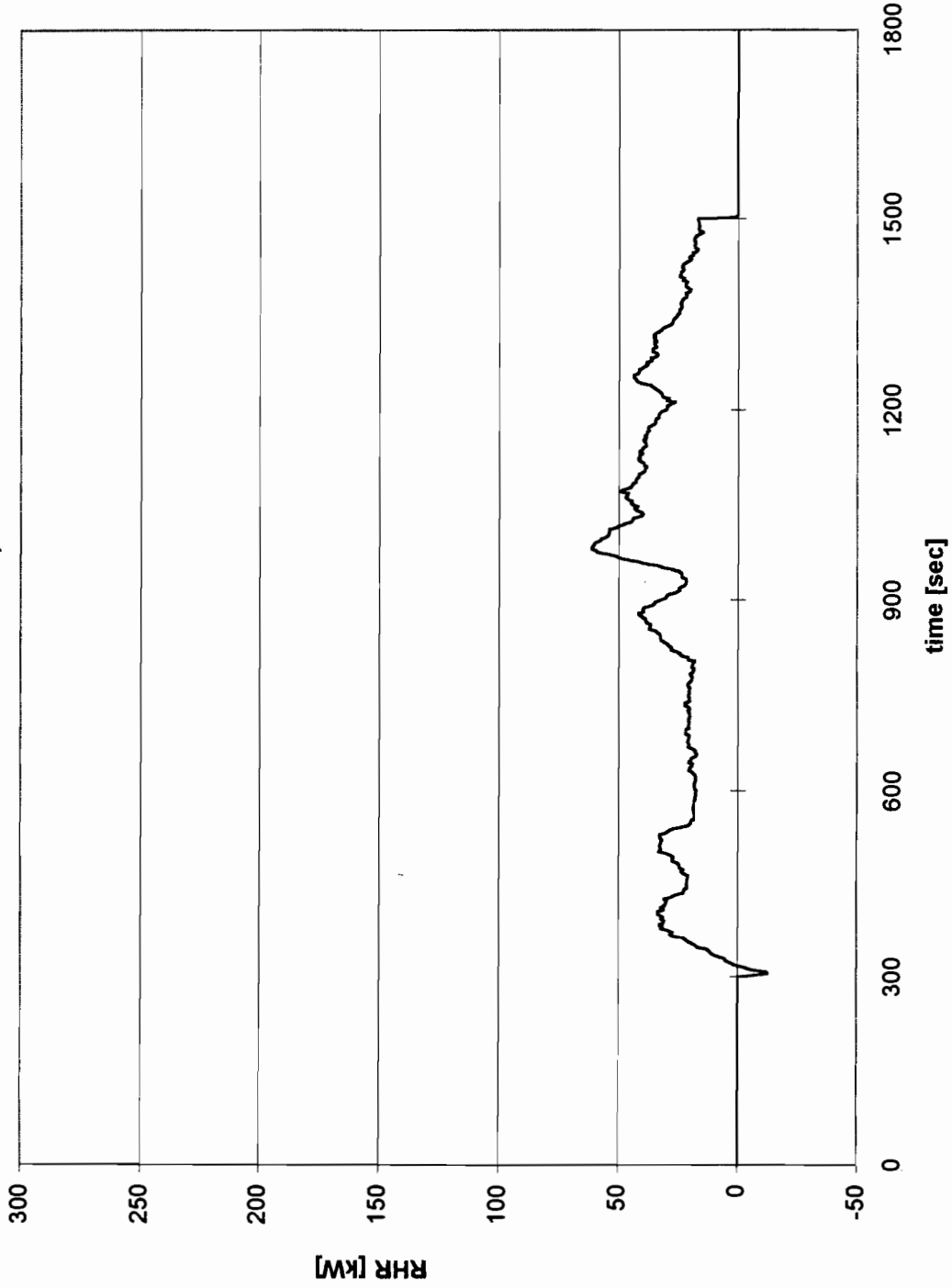
M12

1

06.08.97

v 4.1; 4 July '97

### RHR sample



L04

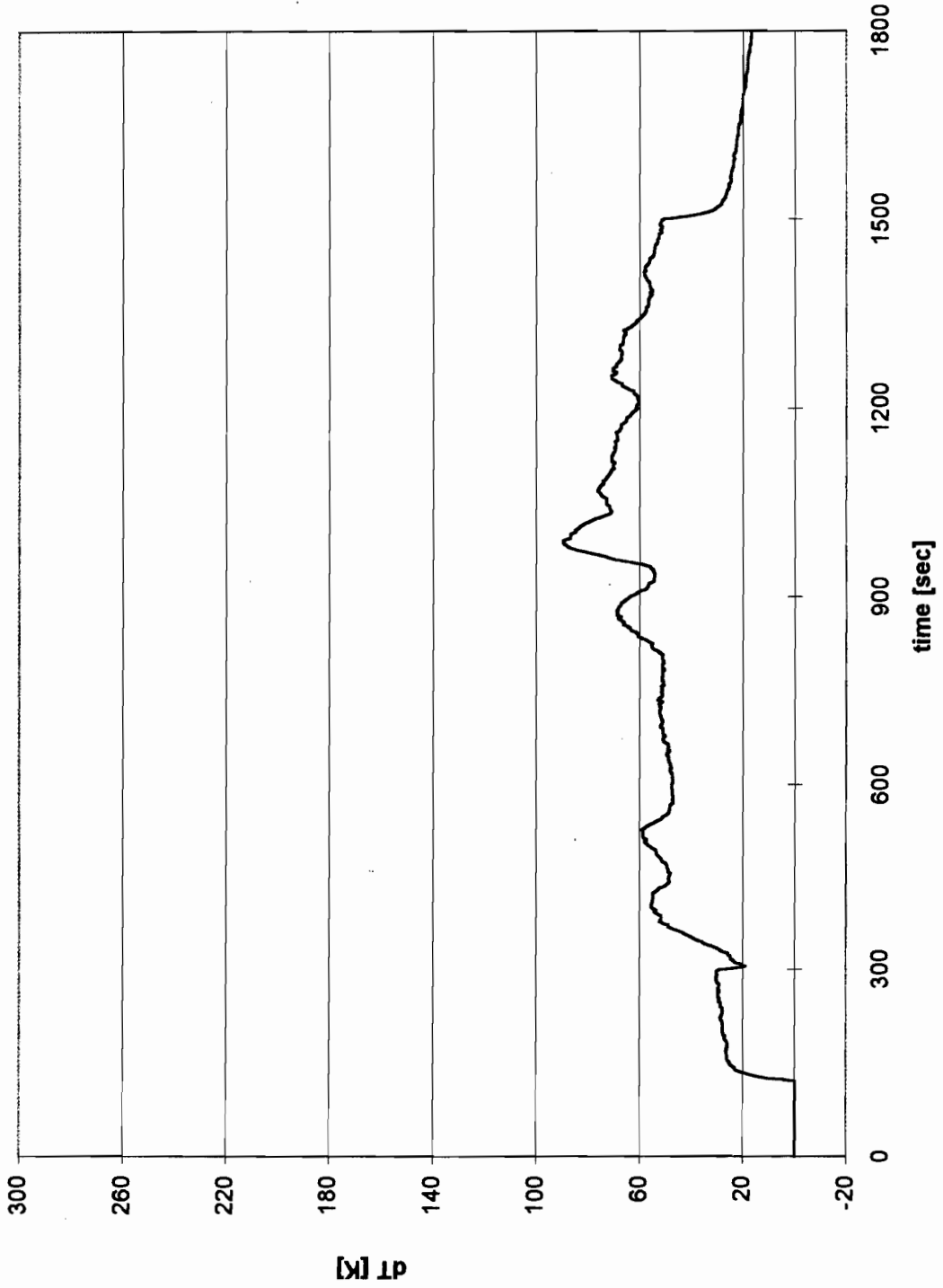
M12

2

07.08.97

v 4.1; 4 July '97

*Temperature rise*



L04

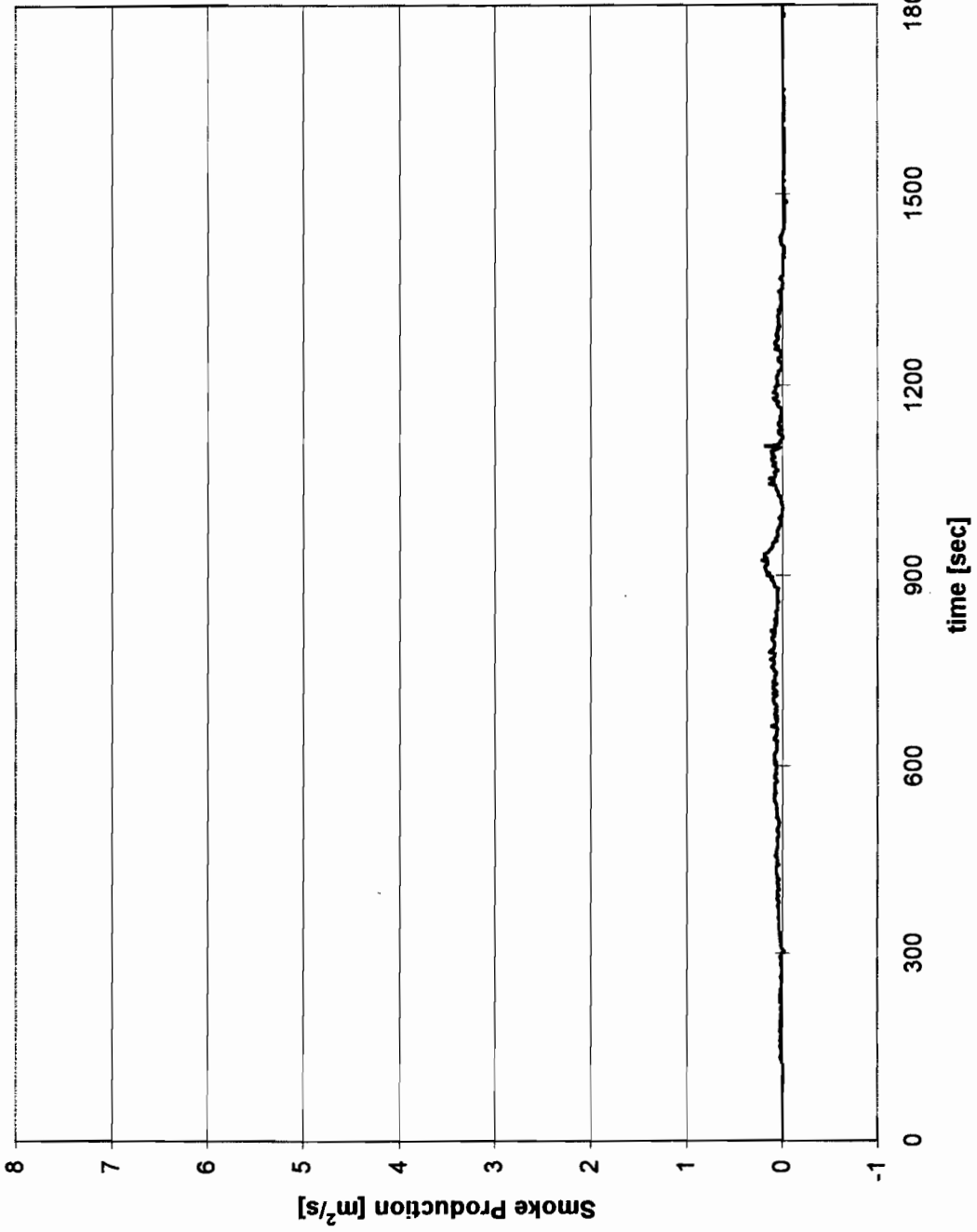
M12

2

07.08.97

v 4.1; 4 July '97

# Smoke Production



L04

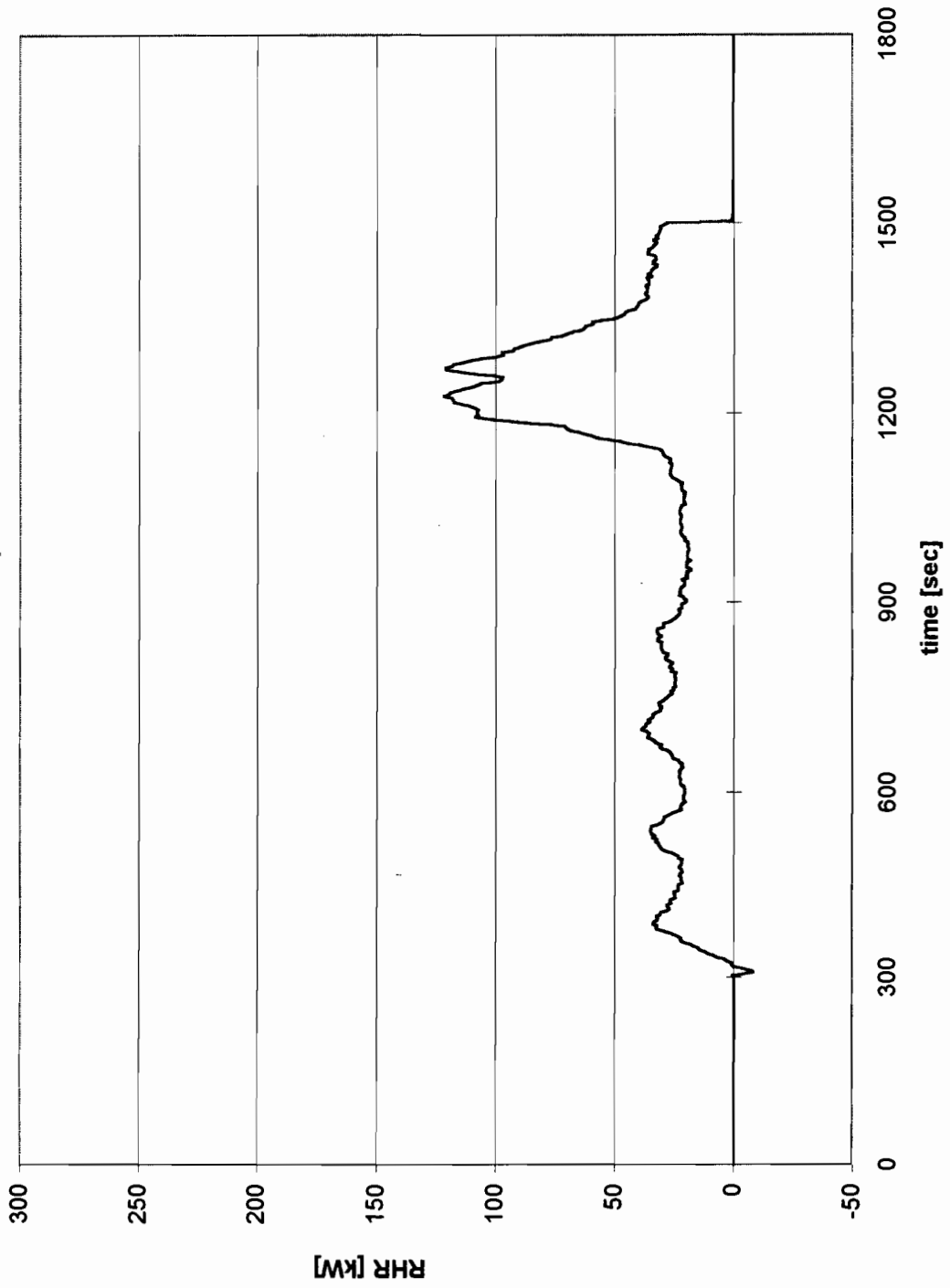
M12

2

07.08.97

v 4.1; 4 July '97

### RHR sample



L04

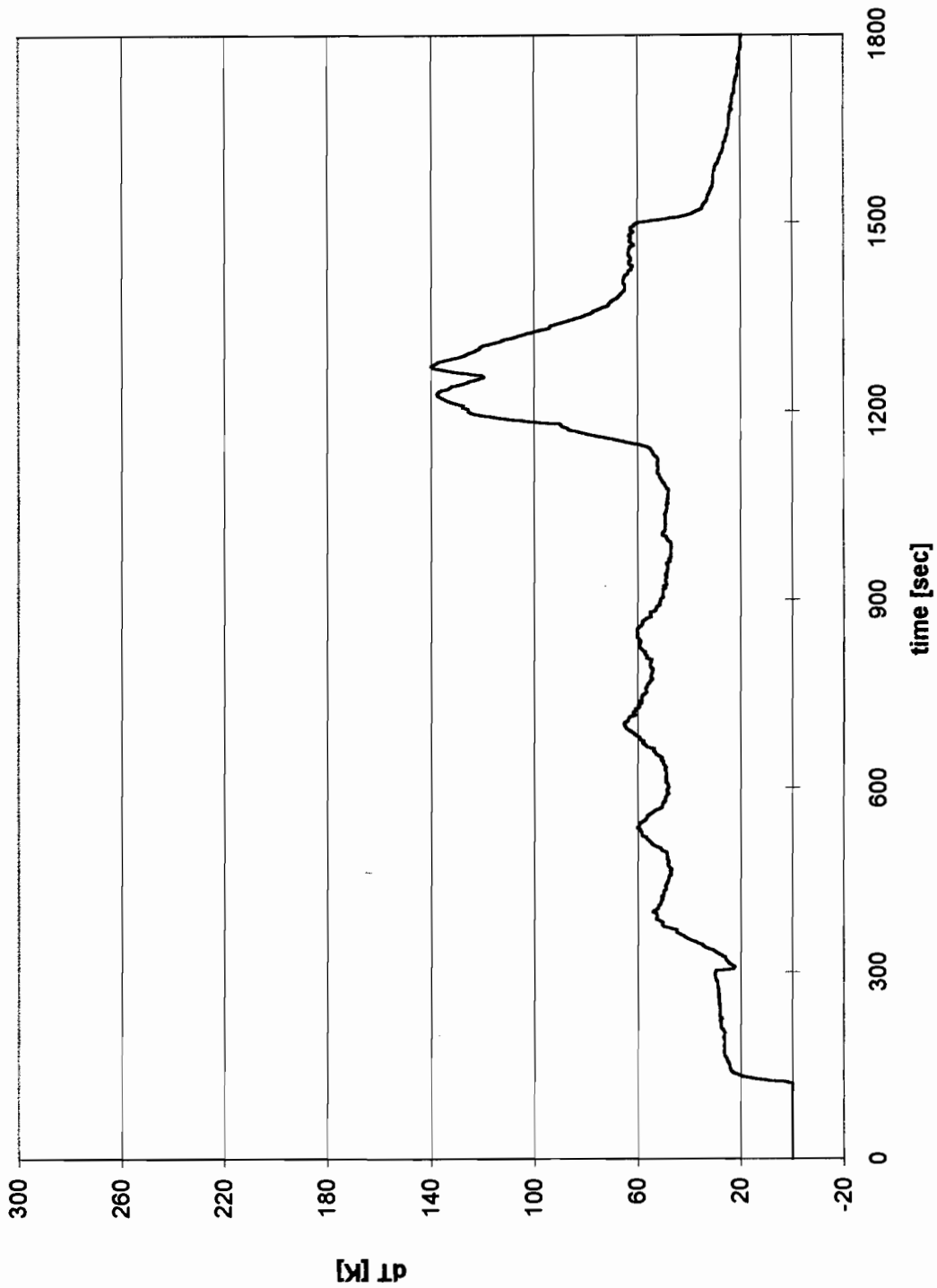
M12

3

07.08.97

v 4.1; 4 July '97

*Temperature rise*



L04

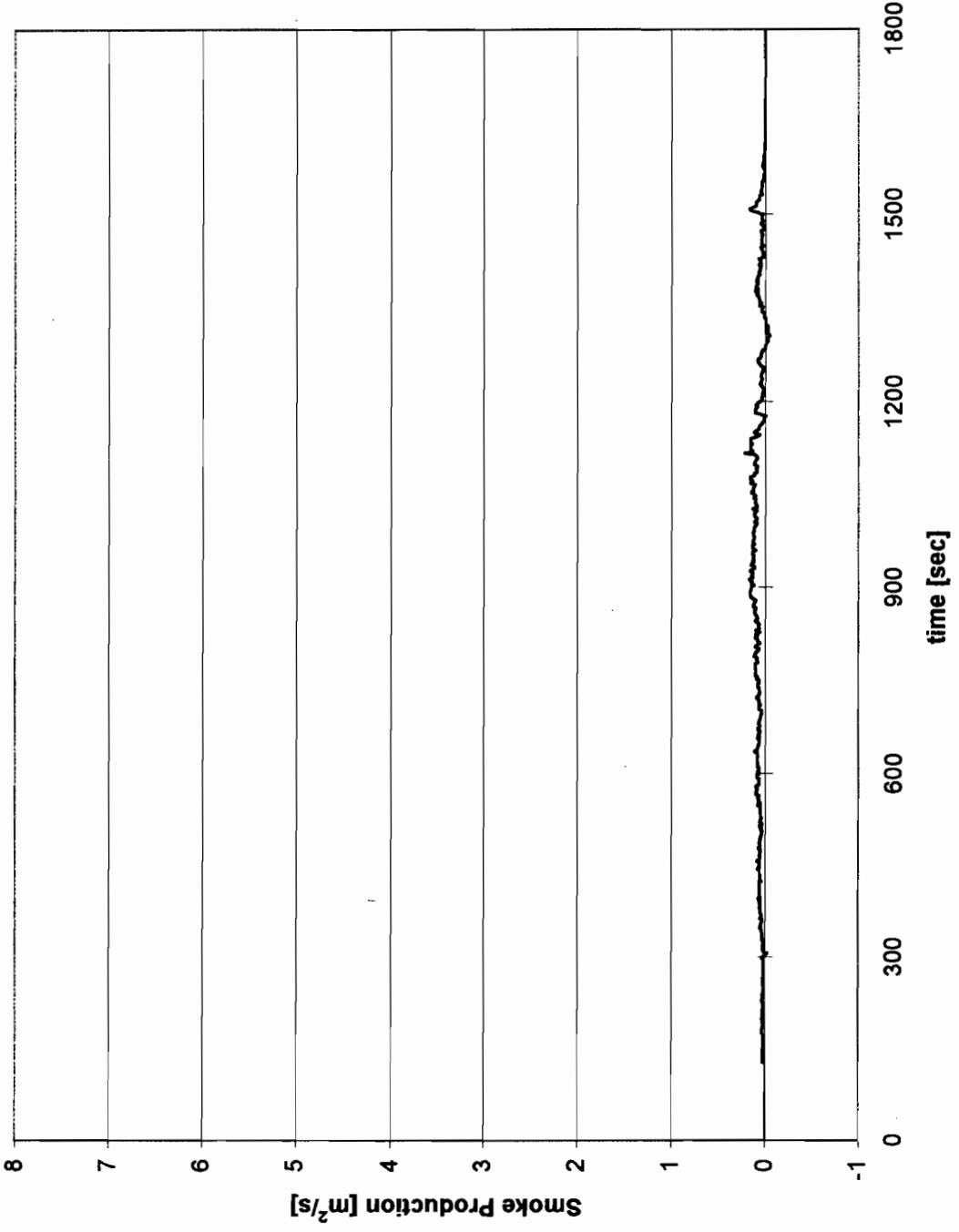
M12

3

07.08.97

v 4.1; 4 July '97

# Smoke Production



L04

M12

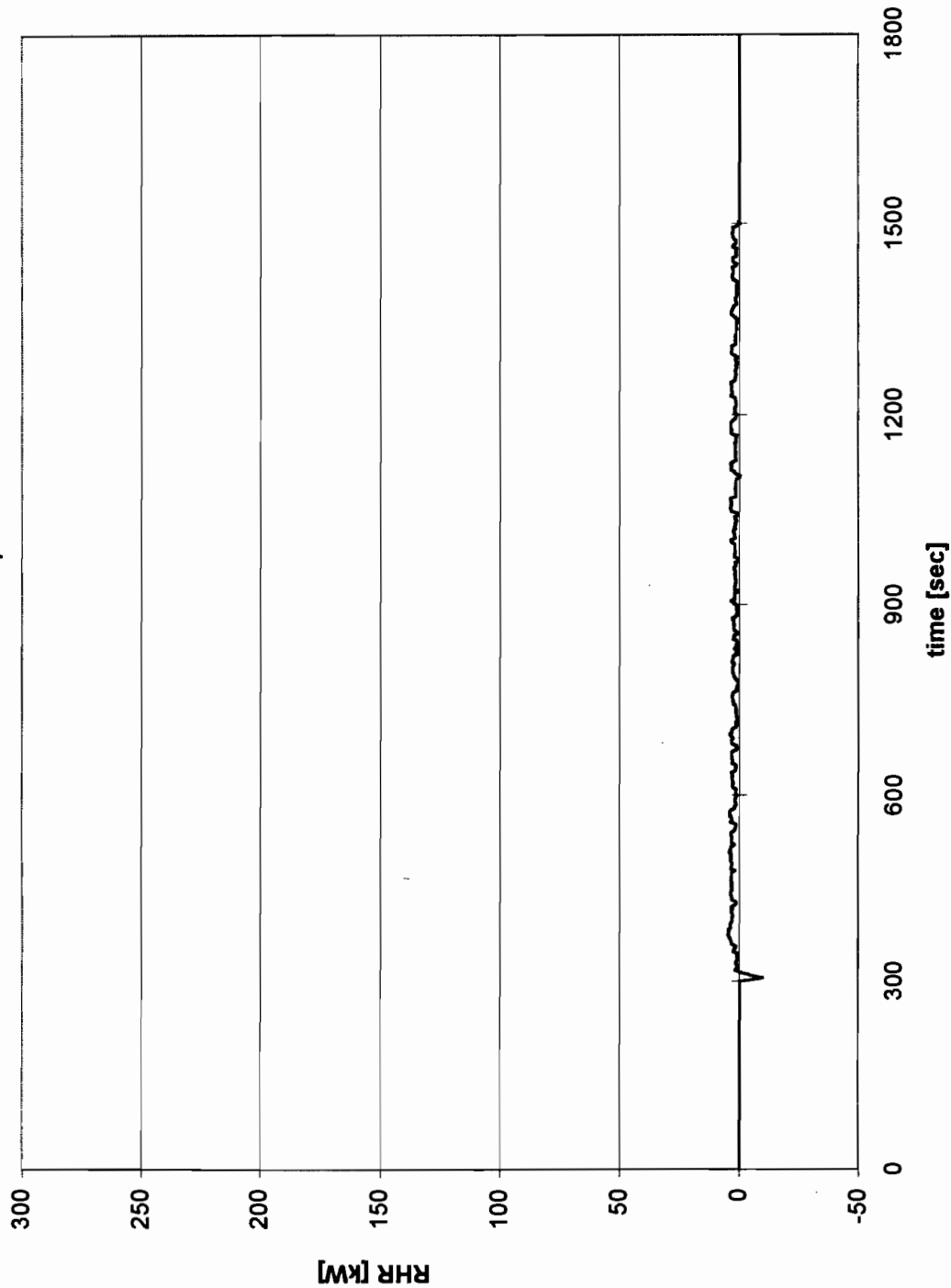
3

07.08.97

v 4.1; 4 July '97



### RHR sample



L04

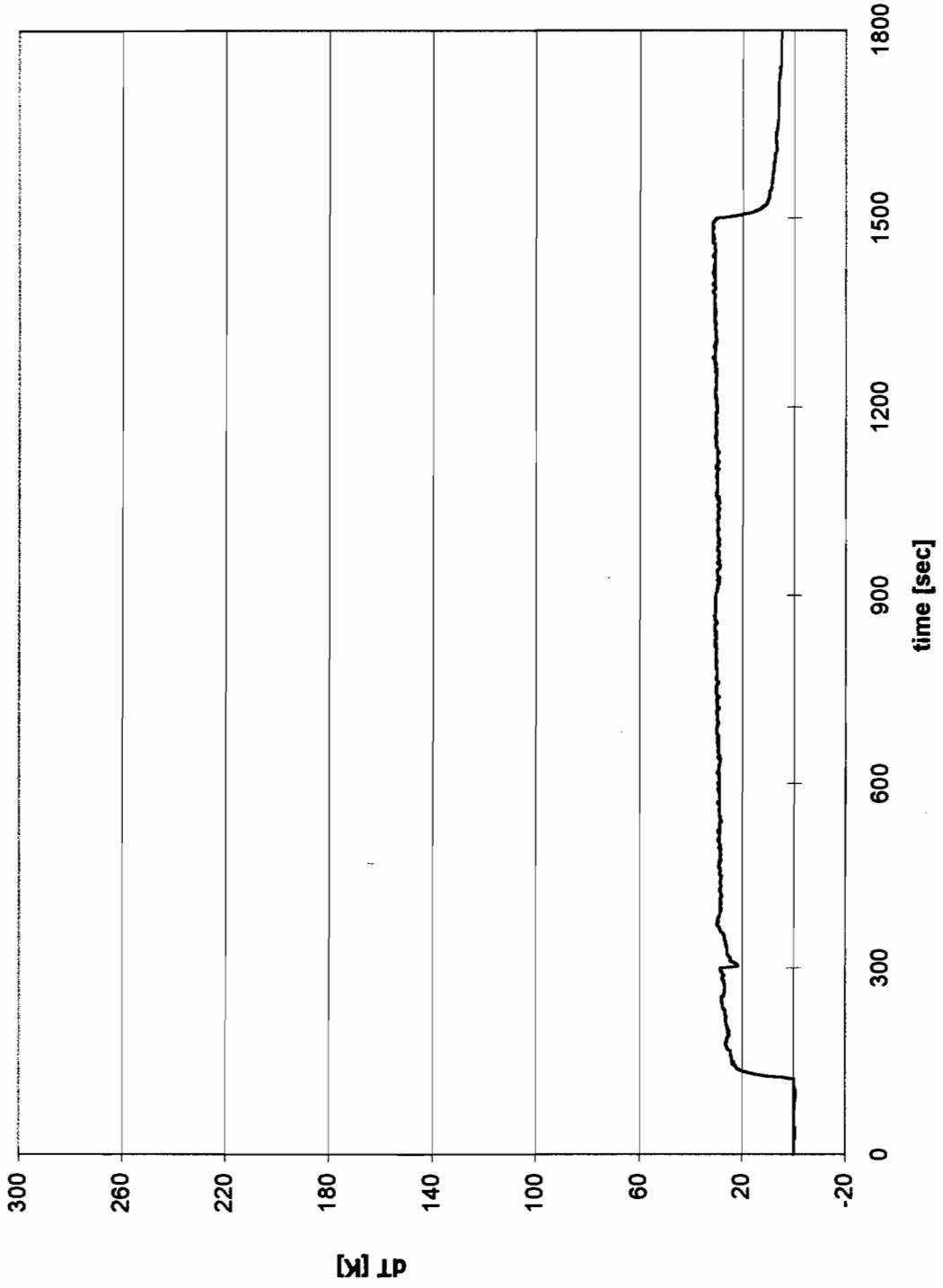
M13

1

11.08.97

v 4.1; 4 July '97

Temperature rise



L04

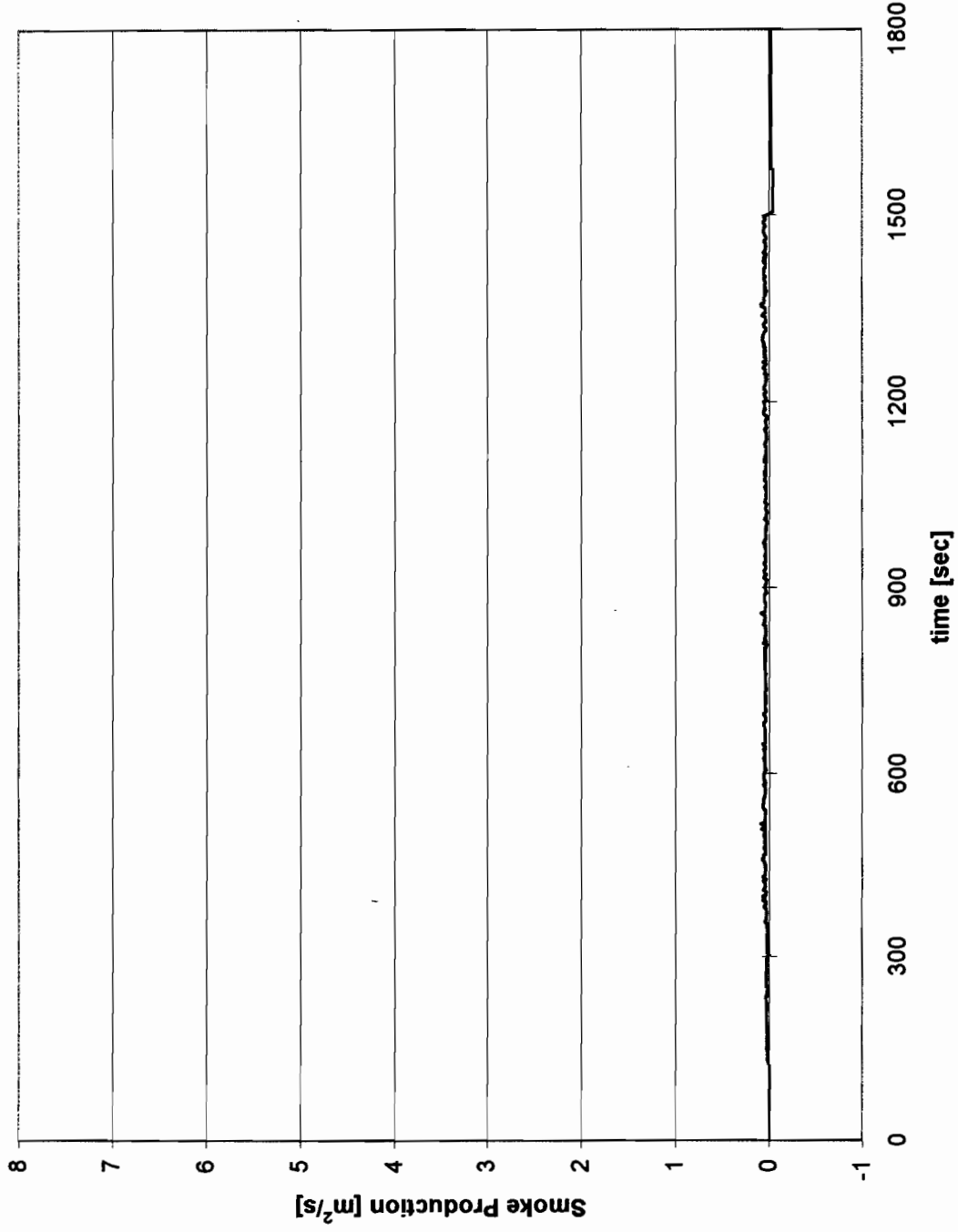
M13

1

11.08.97

v 4.1; 4 July '97

# Smoke Production



L04

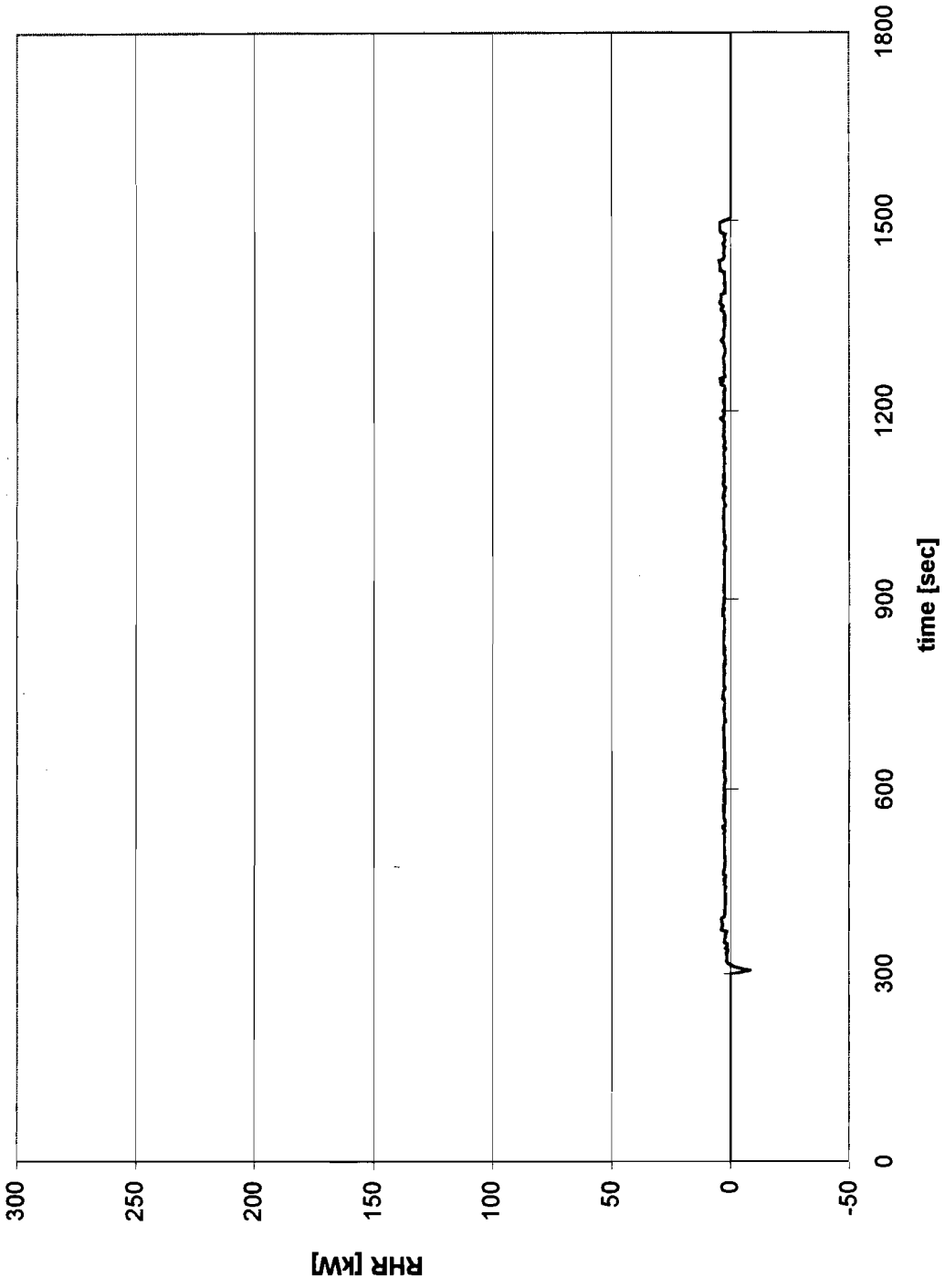
M13

1

11.08.97

v 4.1; 4 July '97

### RHR sample



L04

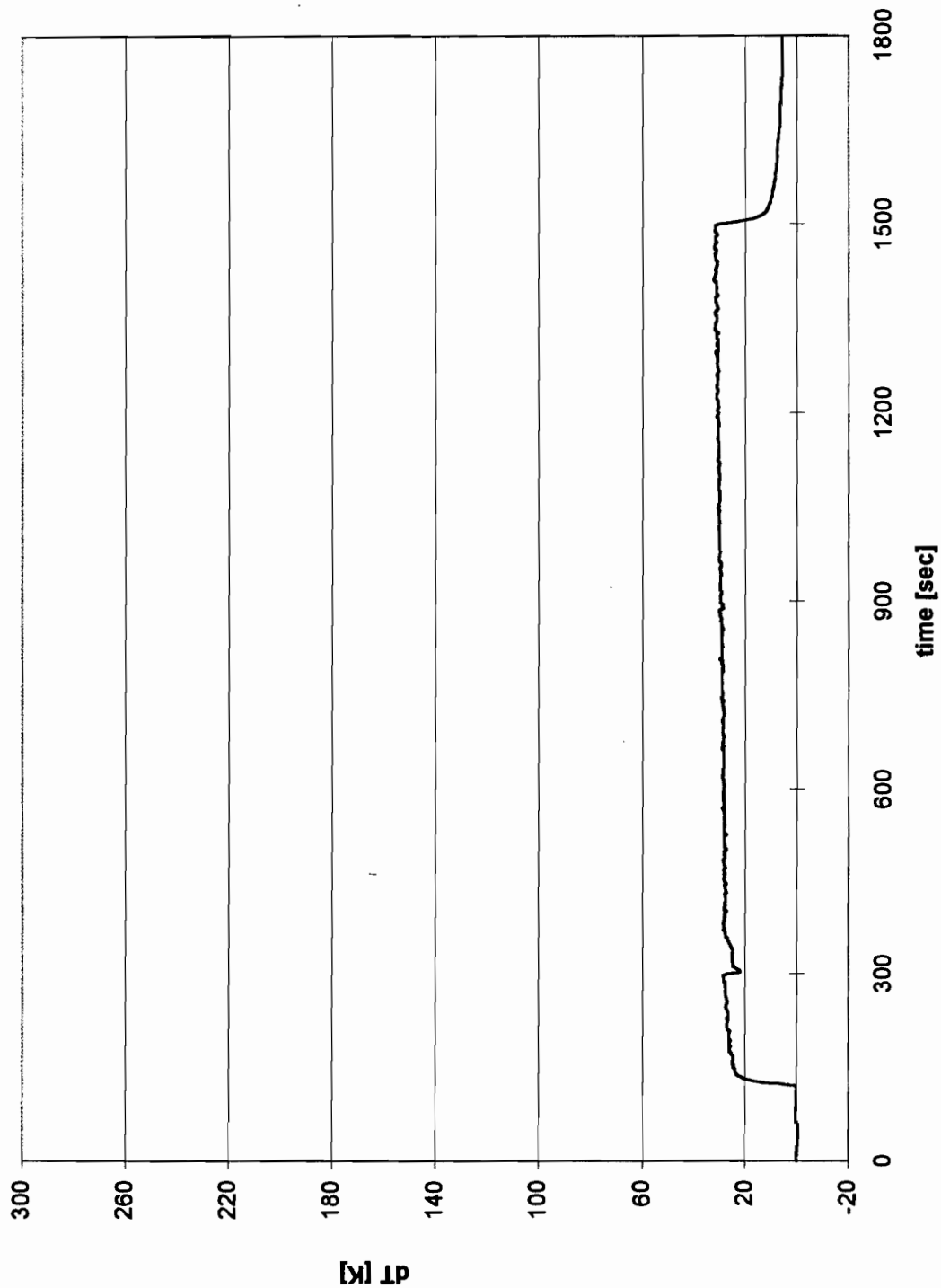
M13

2

13.08.97

v 4.1; 4 July '97

# Temperature rise



L04

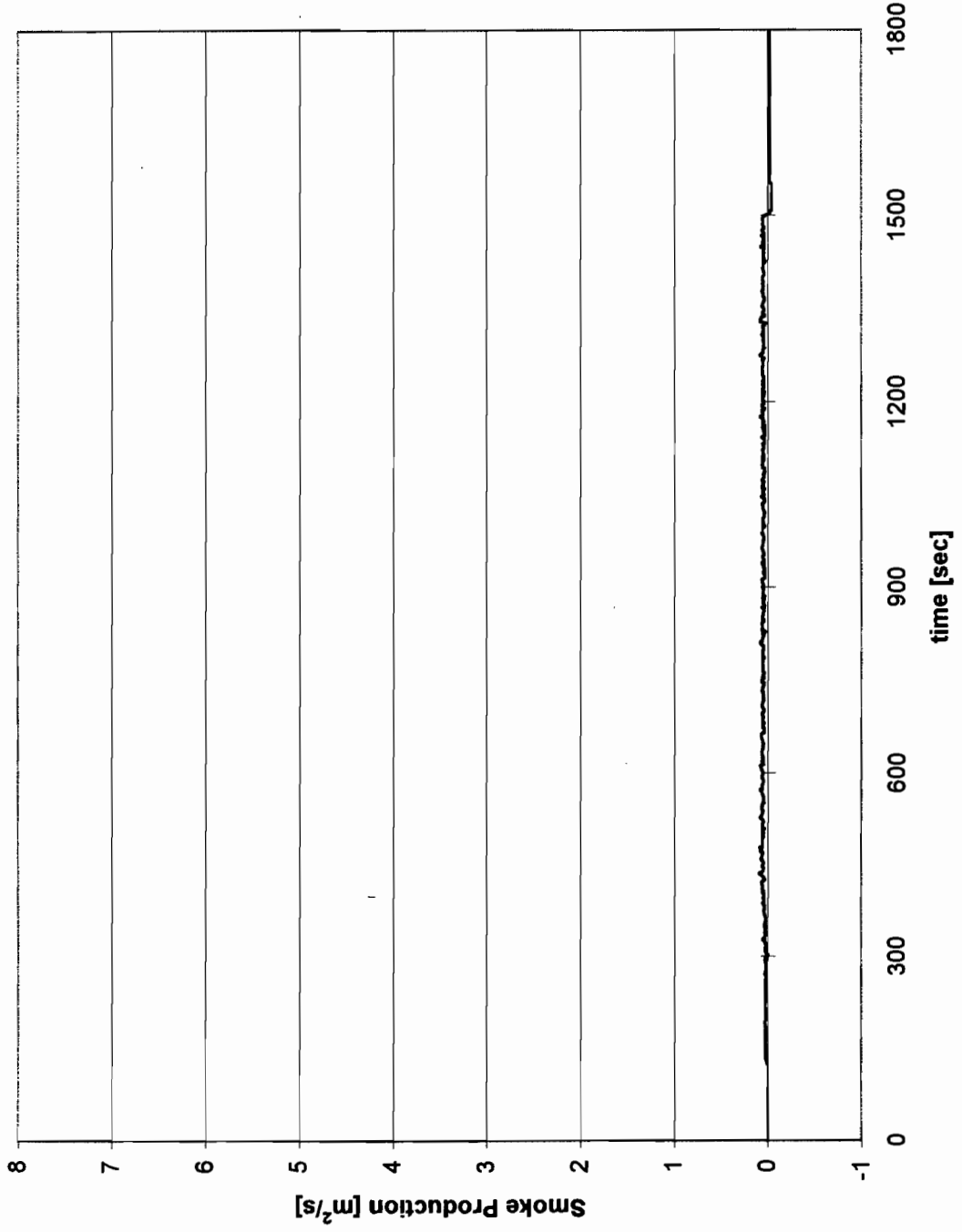
M13

2

13.08.97

v 4.1; 4 July '97

# Smoke Production



L04

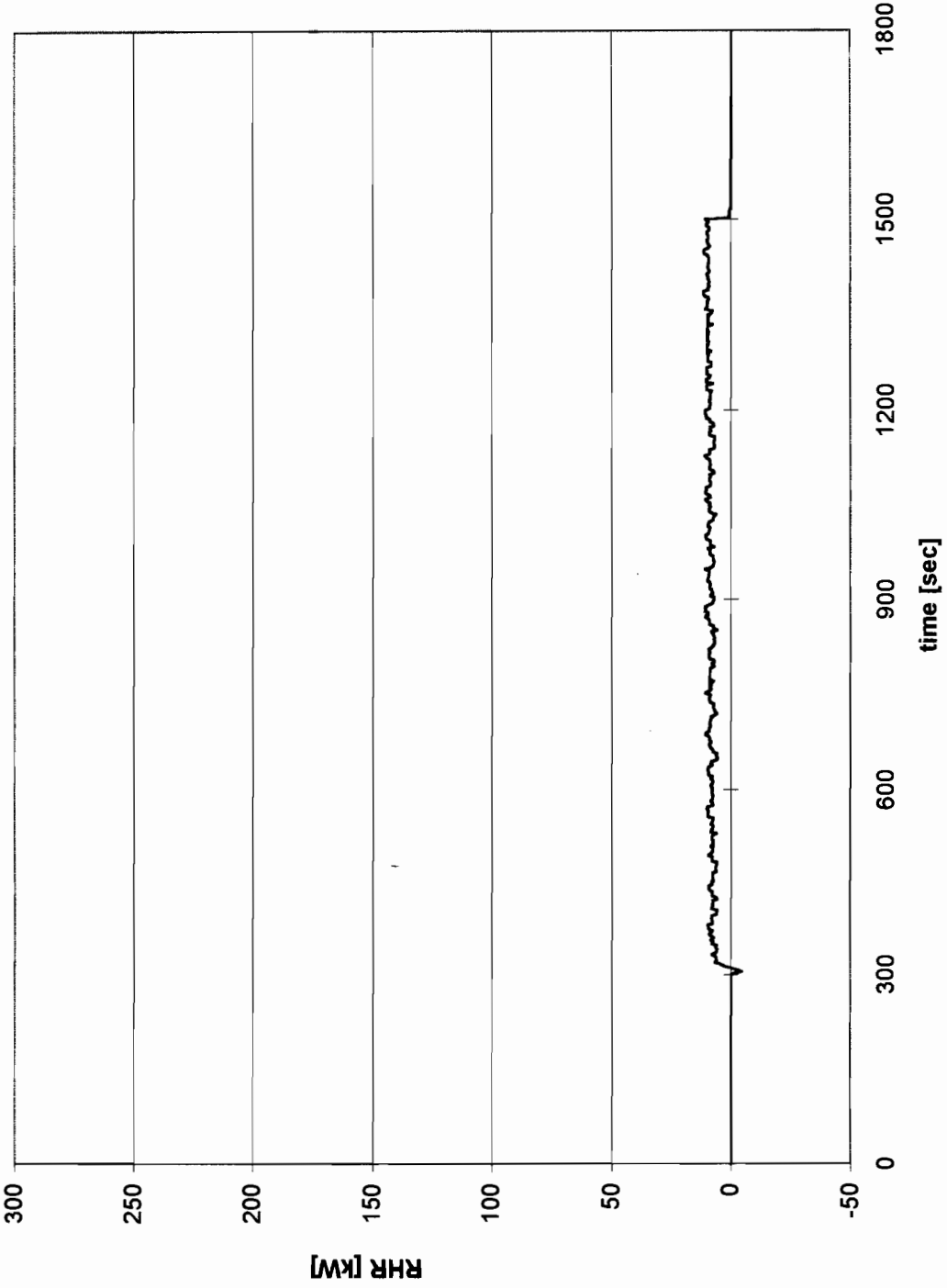
M13

2

13.08.97

v 4.1; 4 July '97

### RHR sample



L04

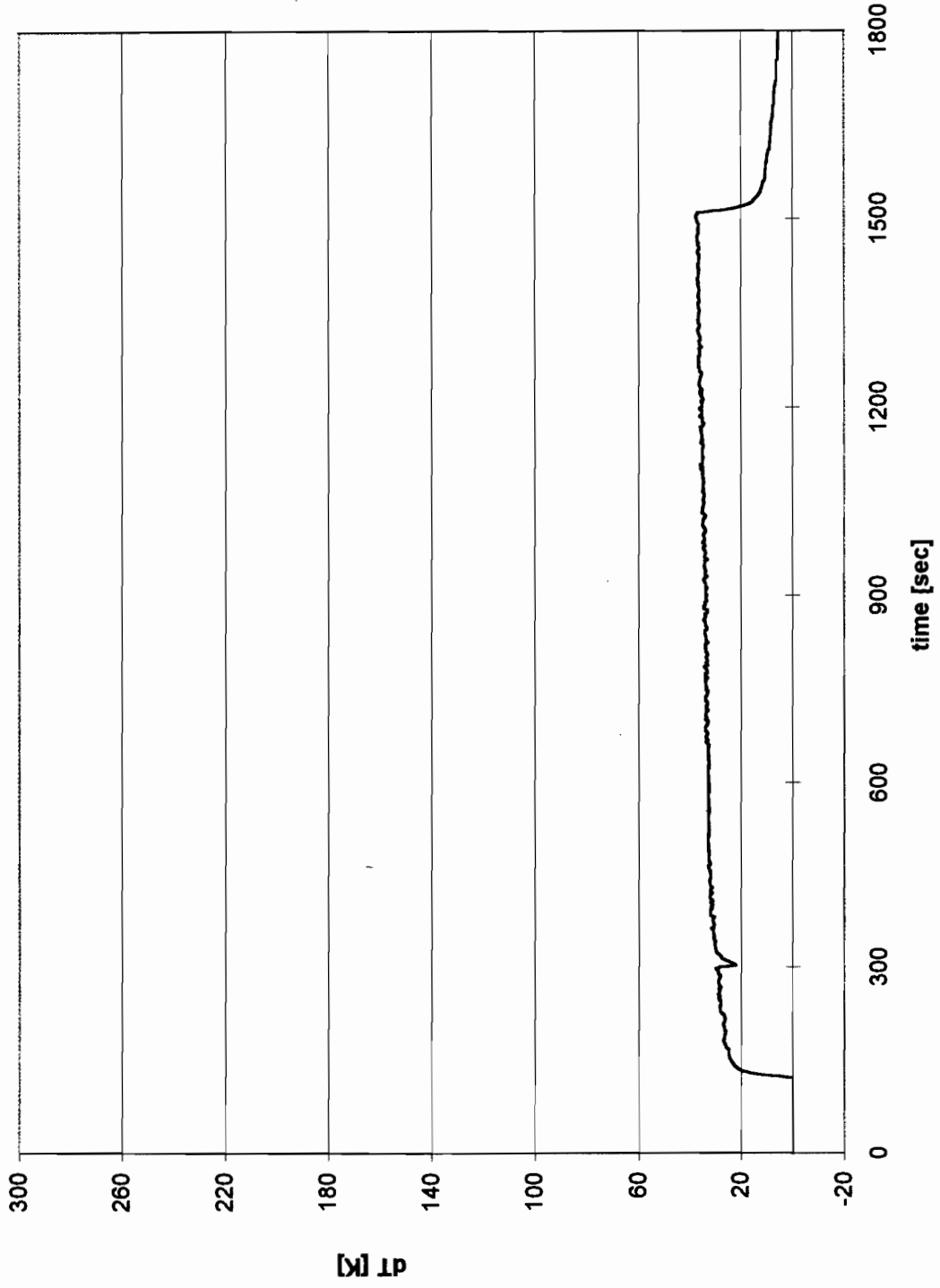
M14

1

14.08.97

v 4.1; 4 July '97

*Temperature rise*



L04

M14

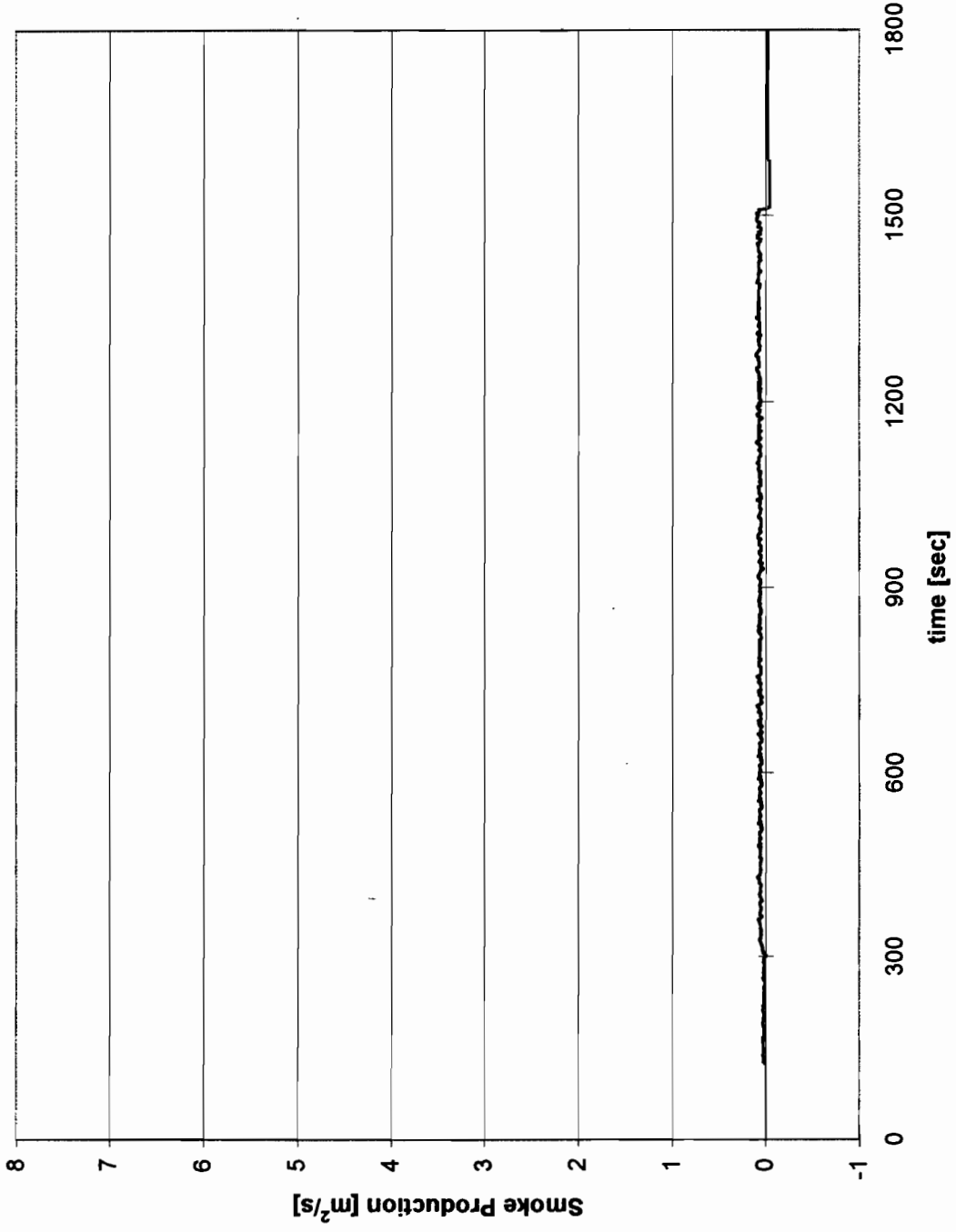
1

14.08.97

v 4.1; 4 July '97



# Smoke Production



L04

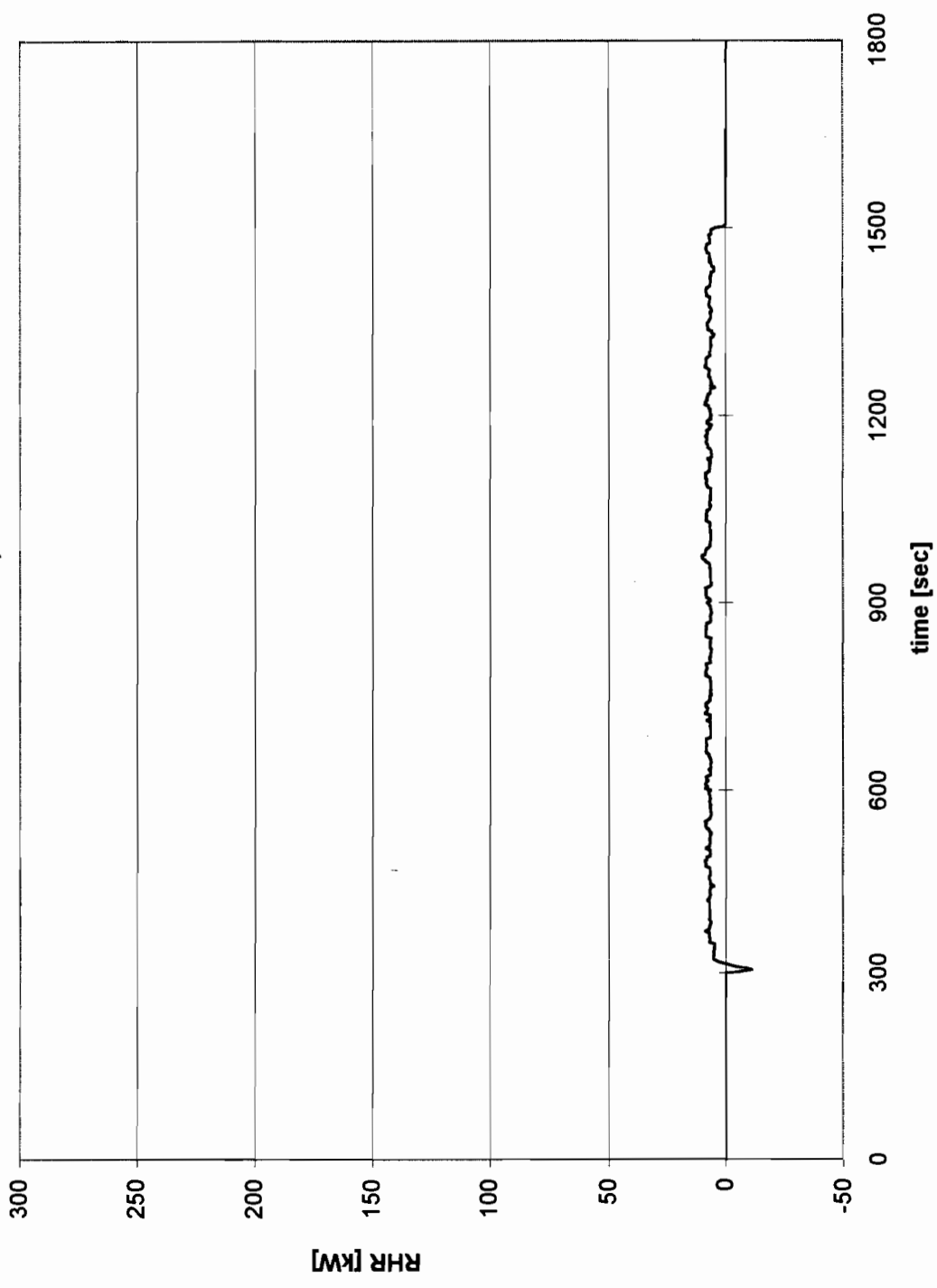
M14

1

14.08.97

v 4.1; 4 July '97

*RHR sample*



L04

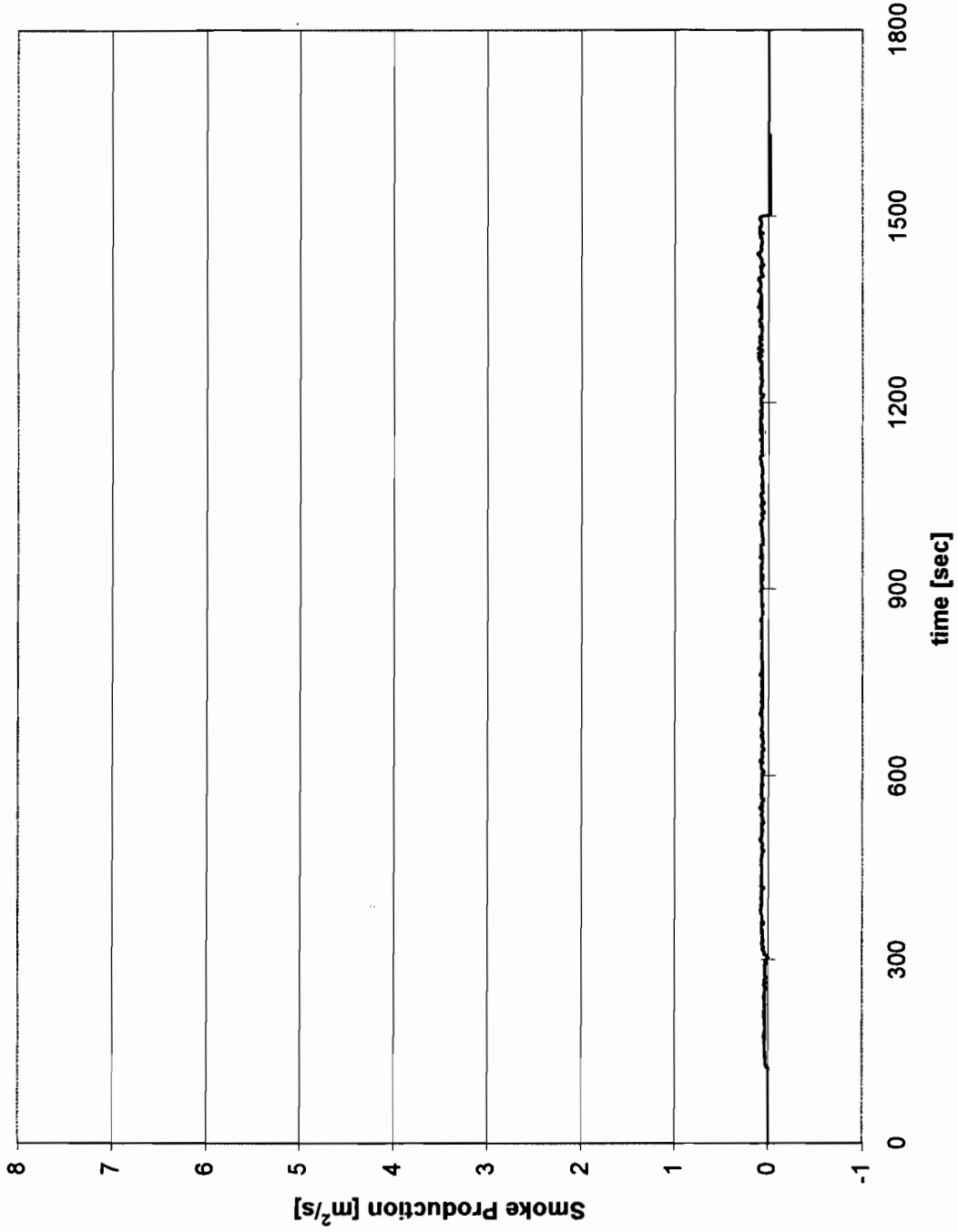
M14

2

15.08.97

v 4.1; 4 July '97

# Smoke Production



L04

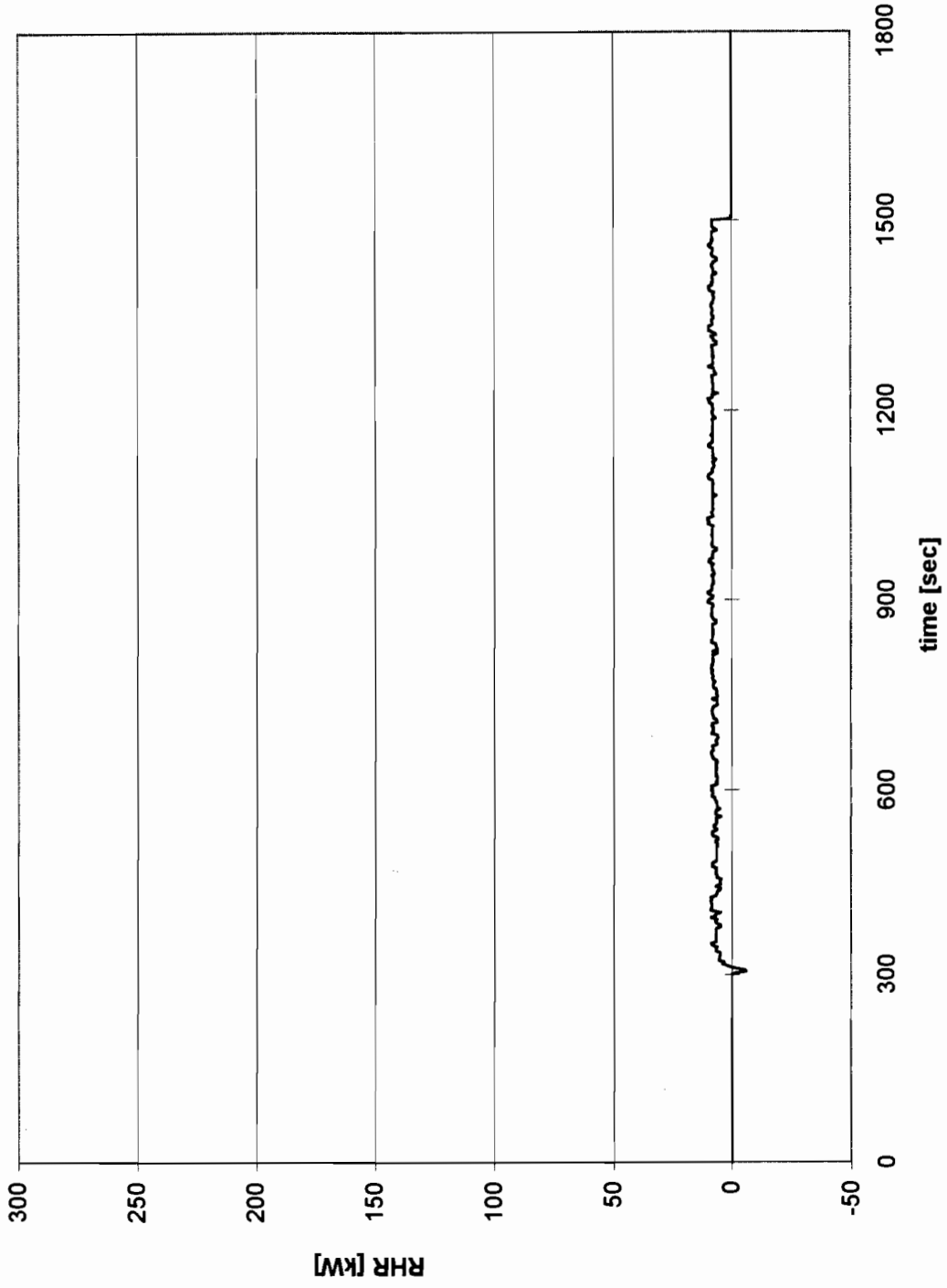
M14

2

15.08.97

v 4.1; 4 July '97

*RHR sample*



L04

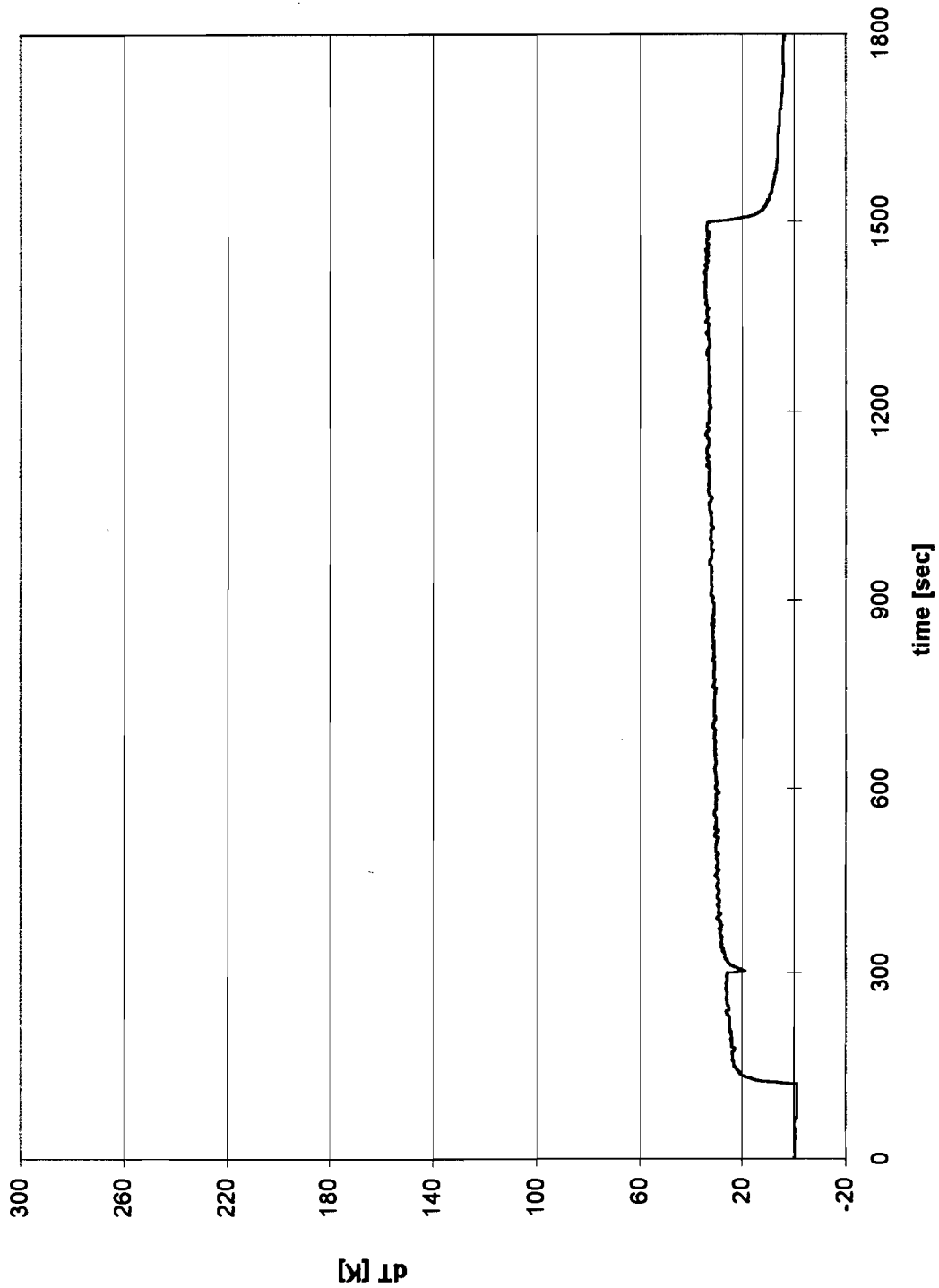
M14

3

15.08.97

v 4.1; 4 July '97

*Temperature rise*



L04

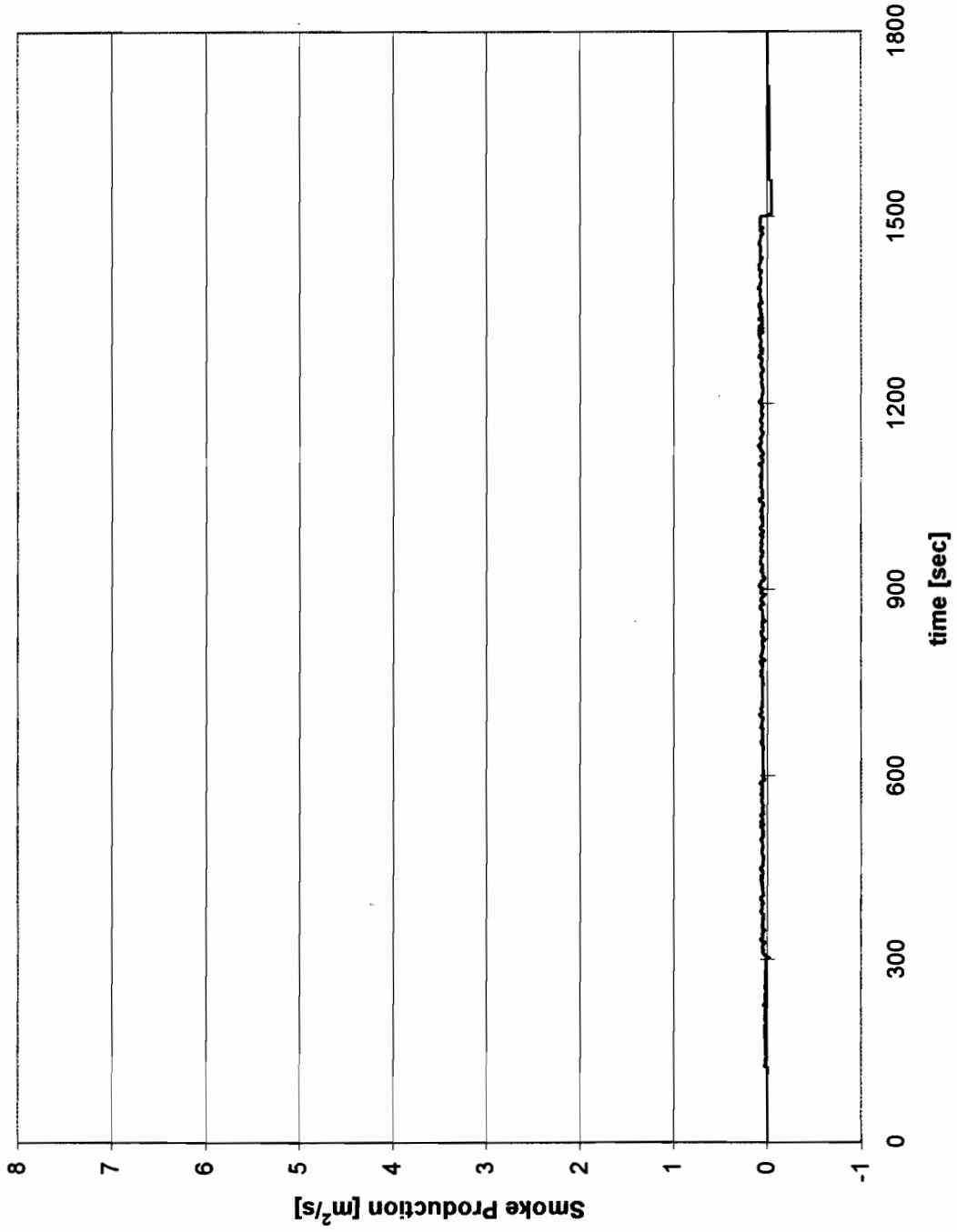
M14

3

15.08.97

v 4.1; 4 July '97

# Smoke Production



L04

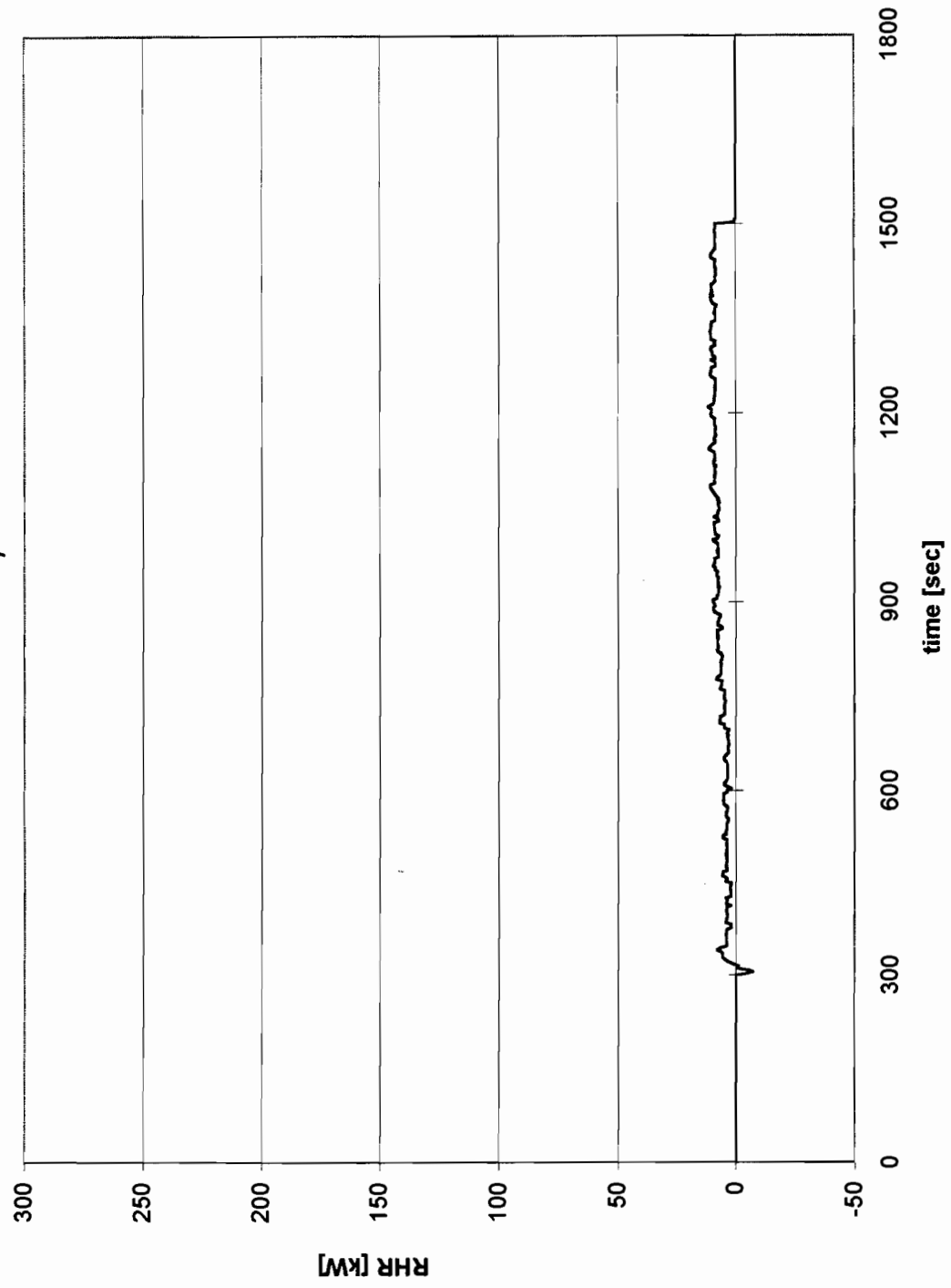
M14

3

15.08.97

v 4.1; 4 July '97

### RHR sample



L04

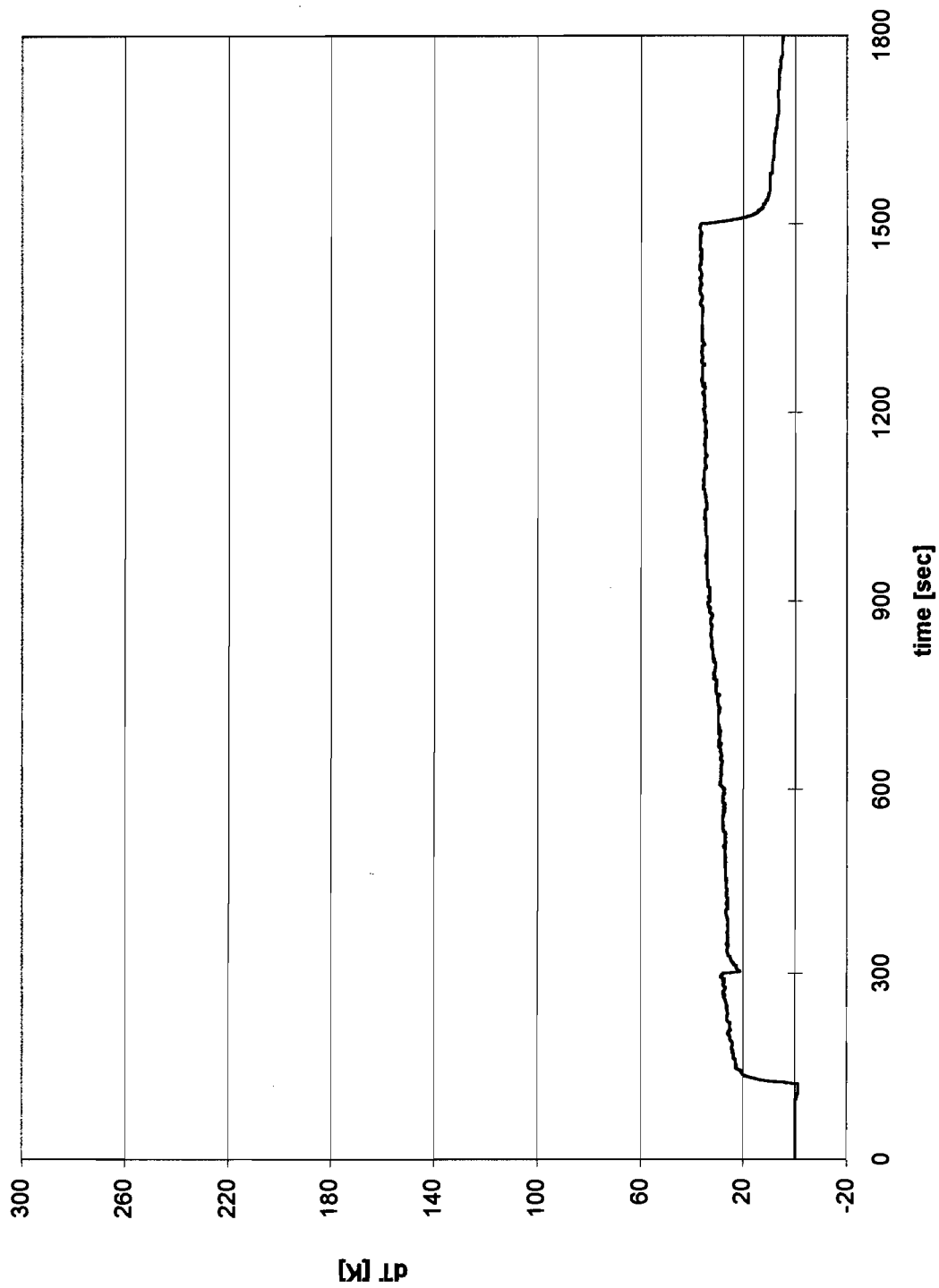
M15

1

13.08.97

v 4.1; 4 July '97

# Temperature rise



L04

M15

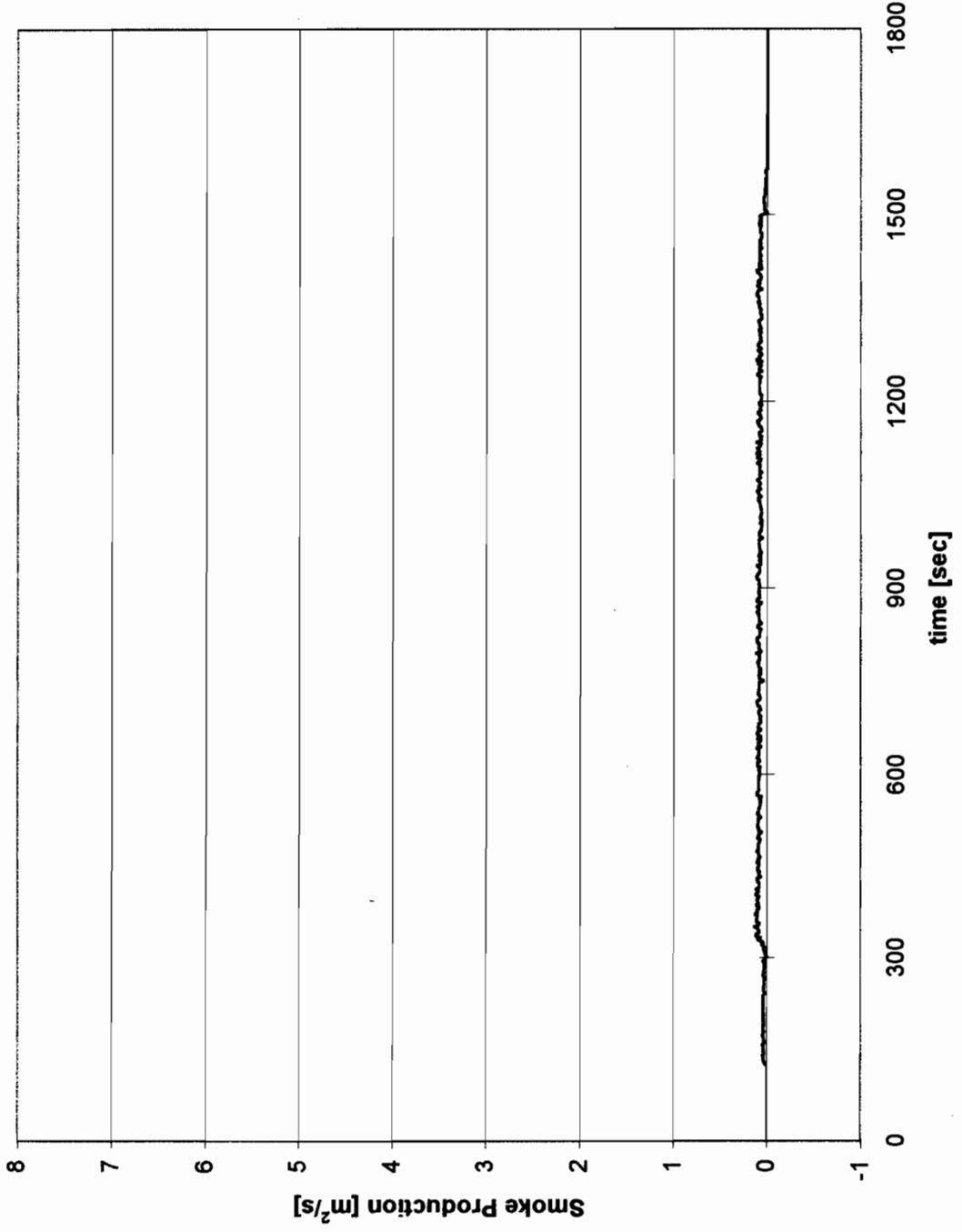
1

13.08.97

v 4.1; 4 July '97



# Smoke Production



L04

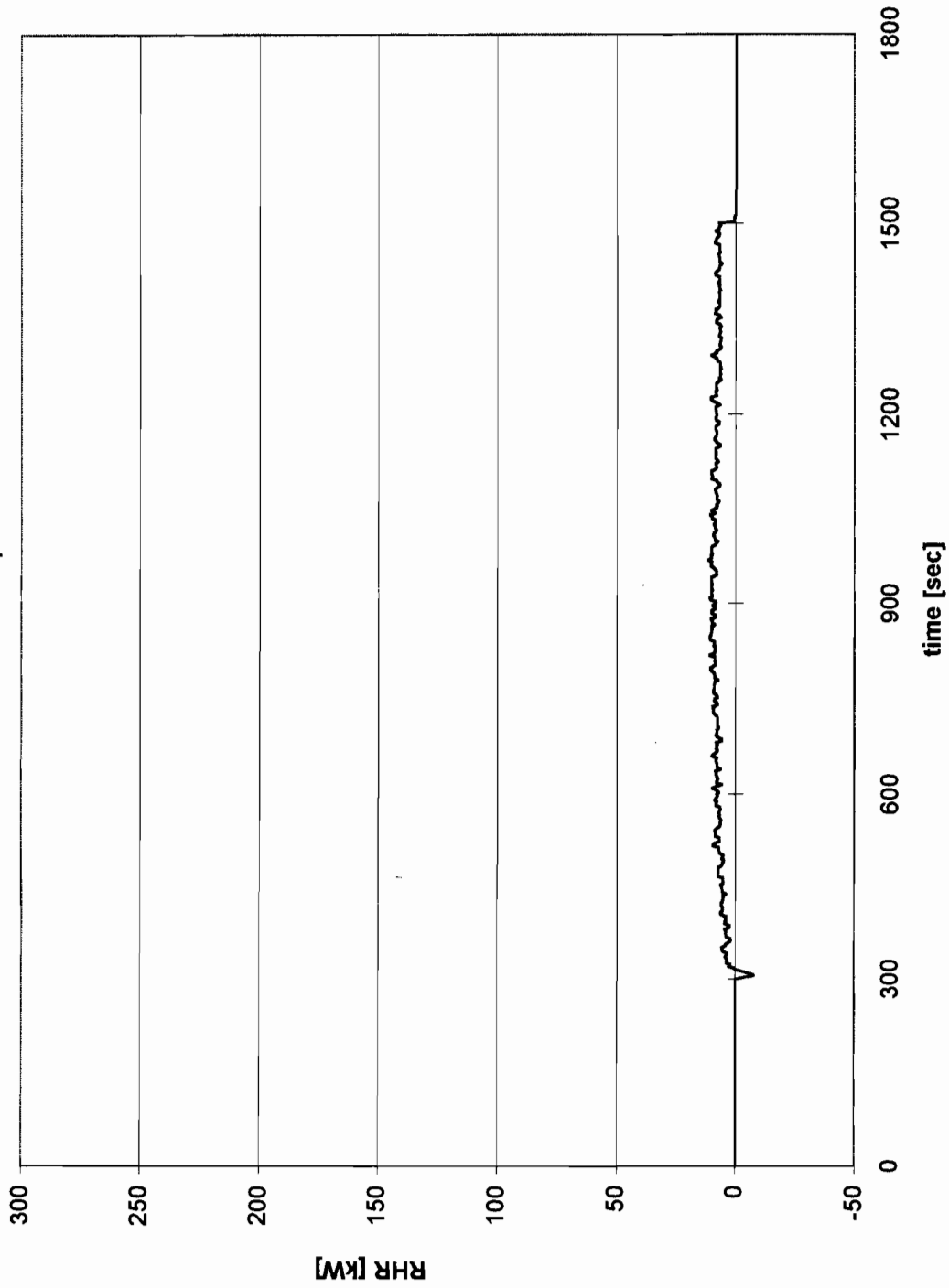
M15

1

13.08.97

v 4.1; 4 July '97

### RHR sample



L04

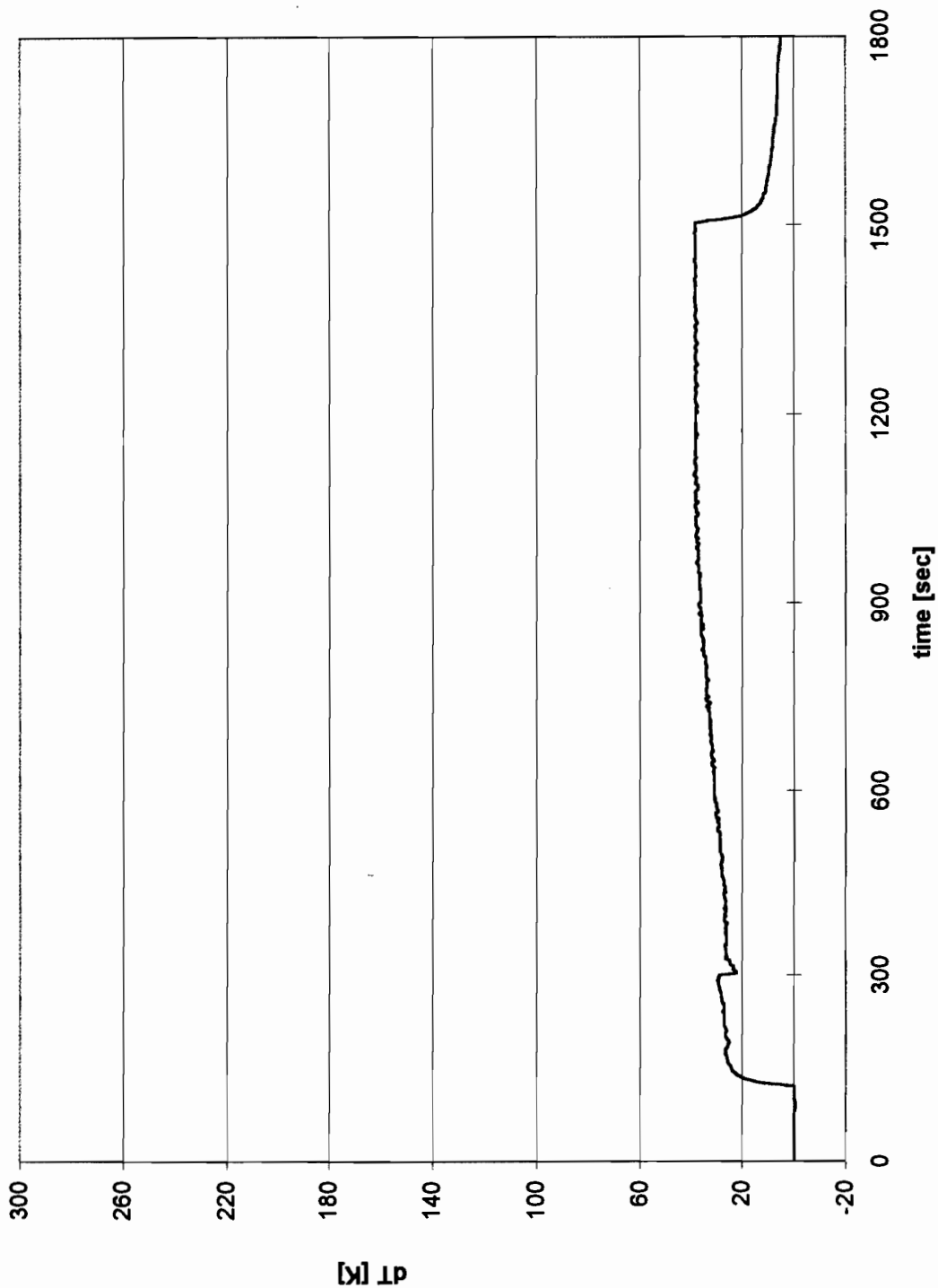
M15

2

13.08.97

v 4.1; 4 July '97

*Temperature rise*



L04

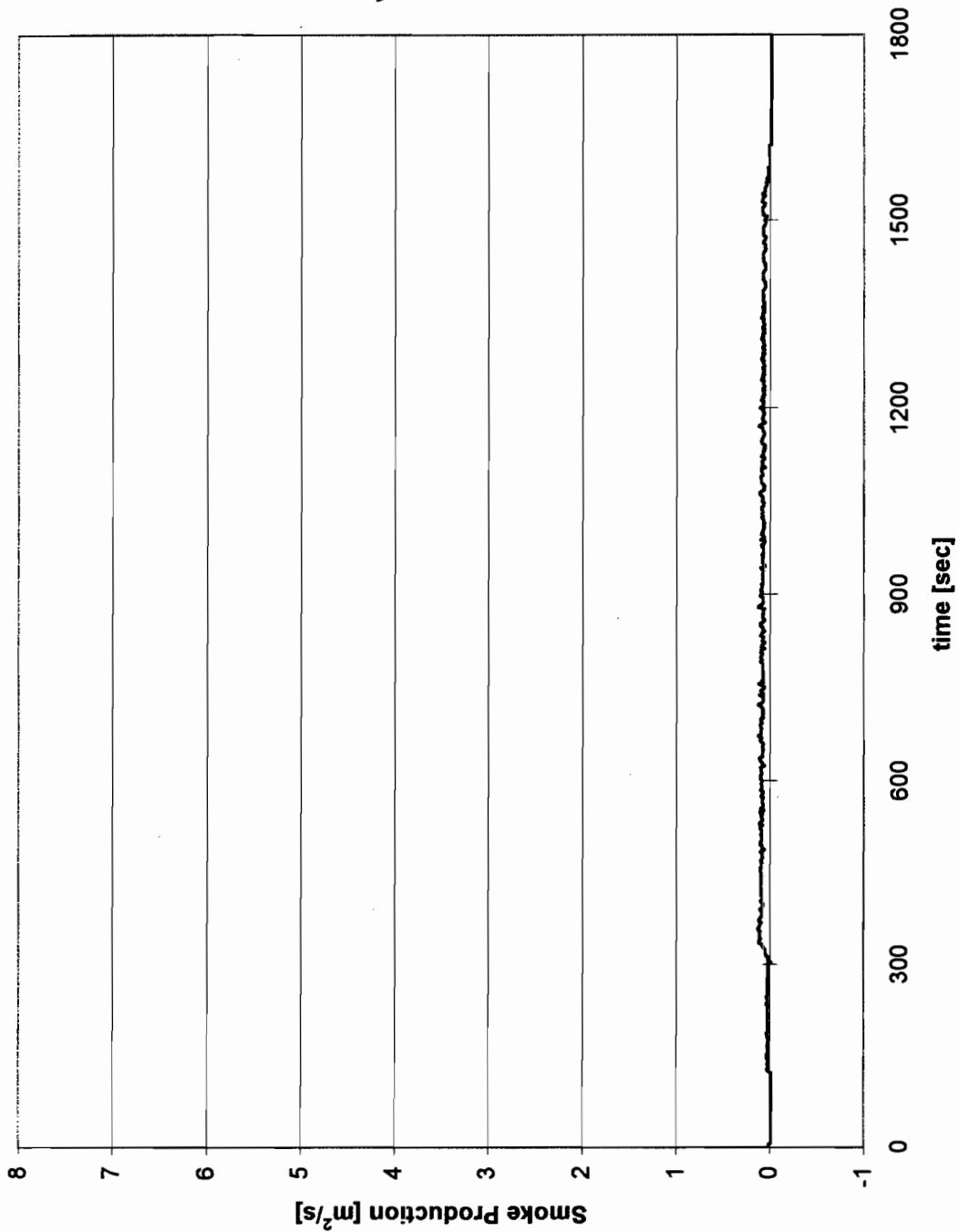
M15

2

13.08.97

v 4.1; 4 July '97

# Smoke Production



L04

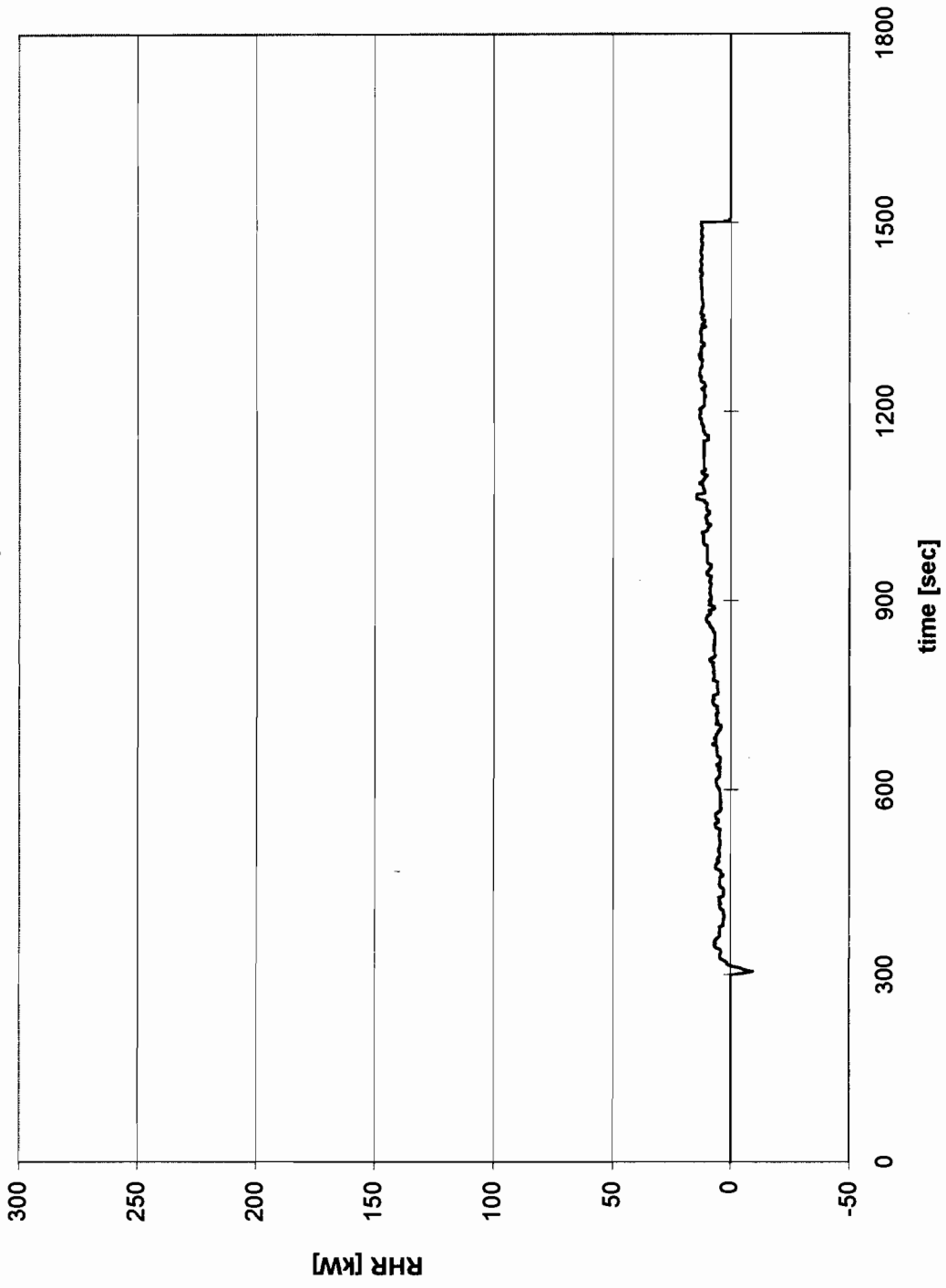
M15

2

13.08.97

v 4.1; 4 July '97

### RHR sample



L04

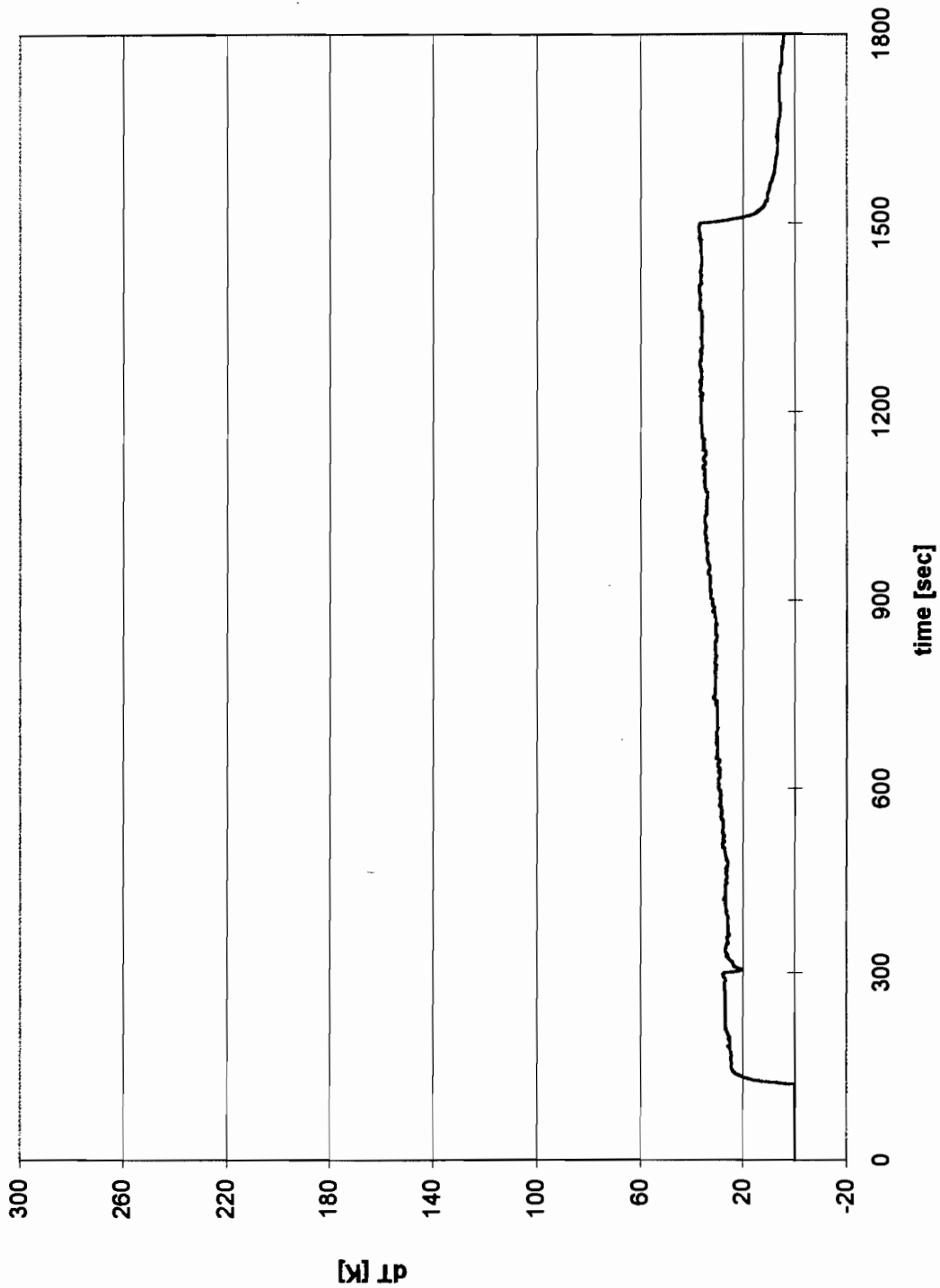
M15

3

13.08.97

v 4.1; 4 July '97

*Temperature rise*



L04

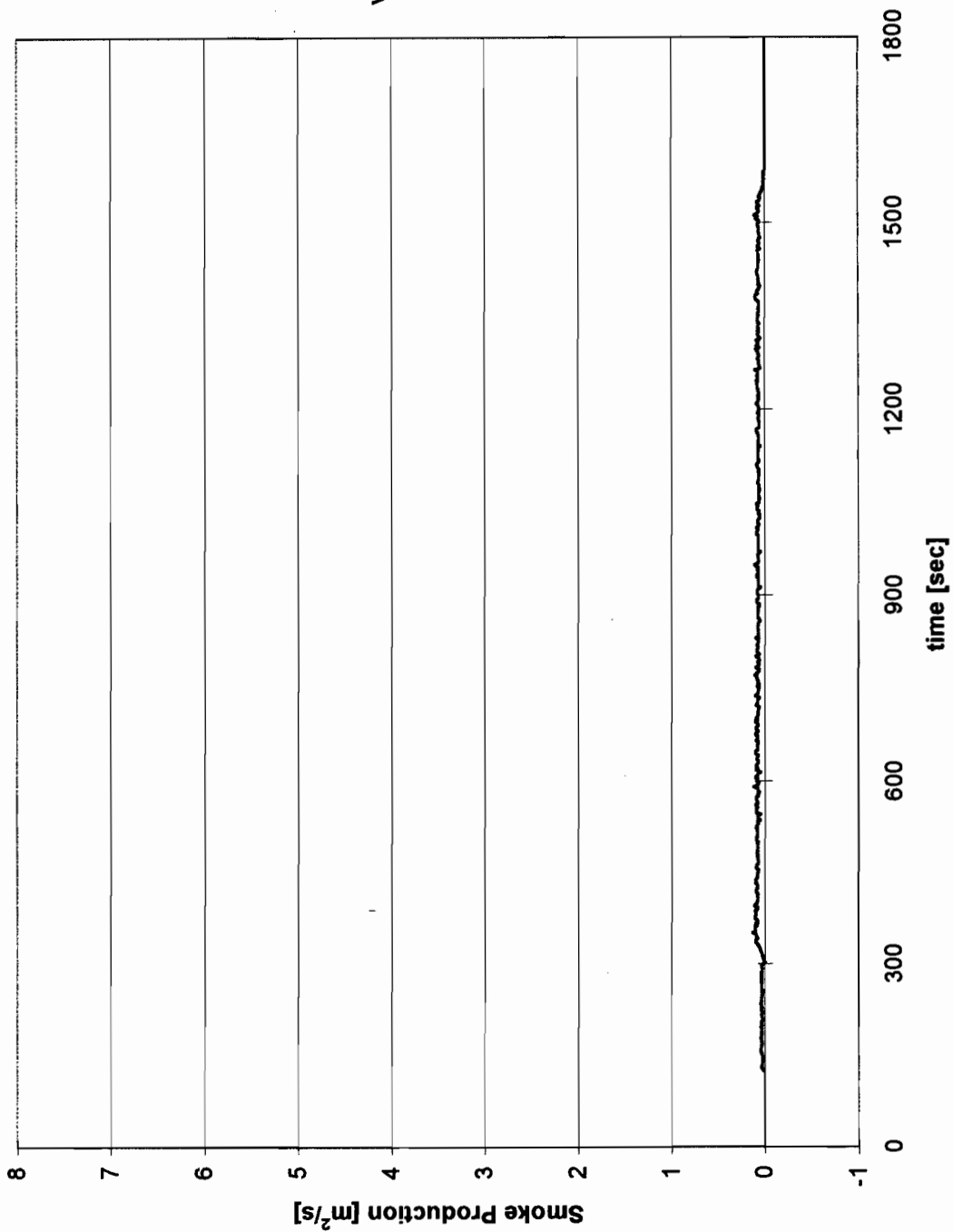
M15

3

13.08.97

v 4.1; 4 July '97

### Smoke Production



L04

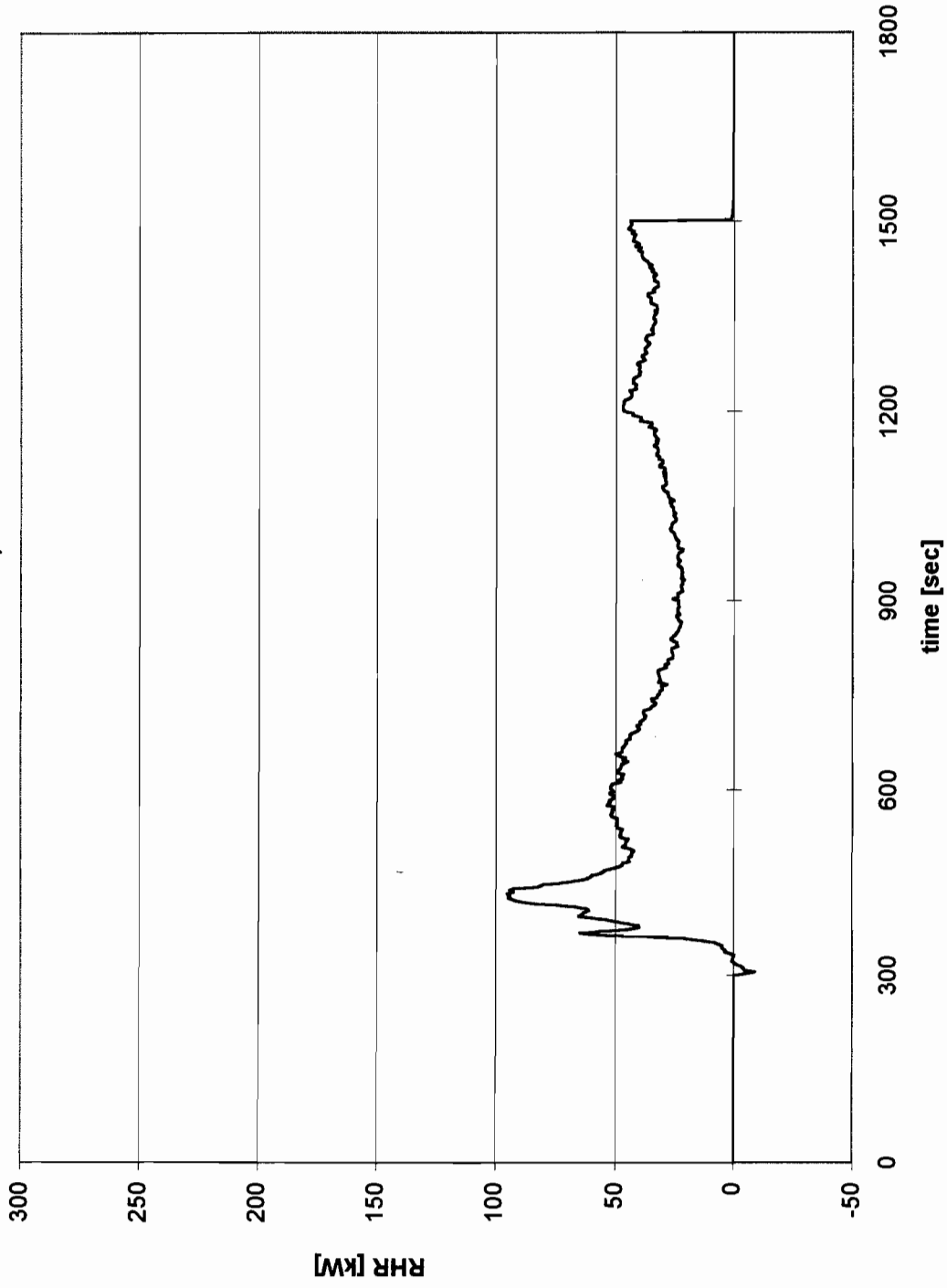
M15

3

13.08.97

v 4.1; 4 July '97

### RHR sample



L04

M16

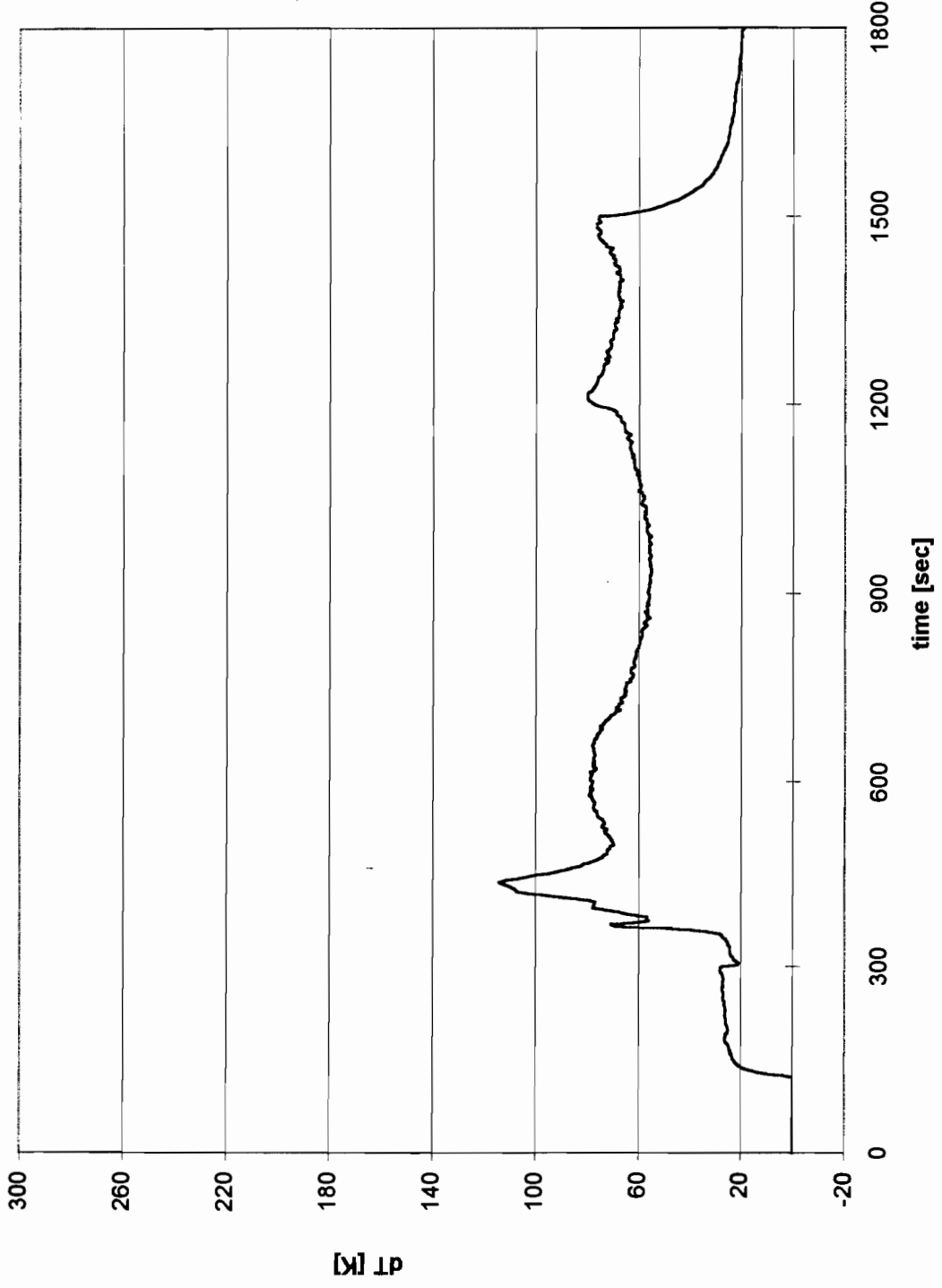
1

14.08.97

v 4.1; 4 July '97



### Temperature rise



L04

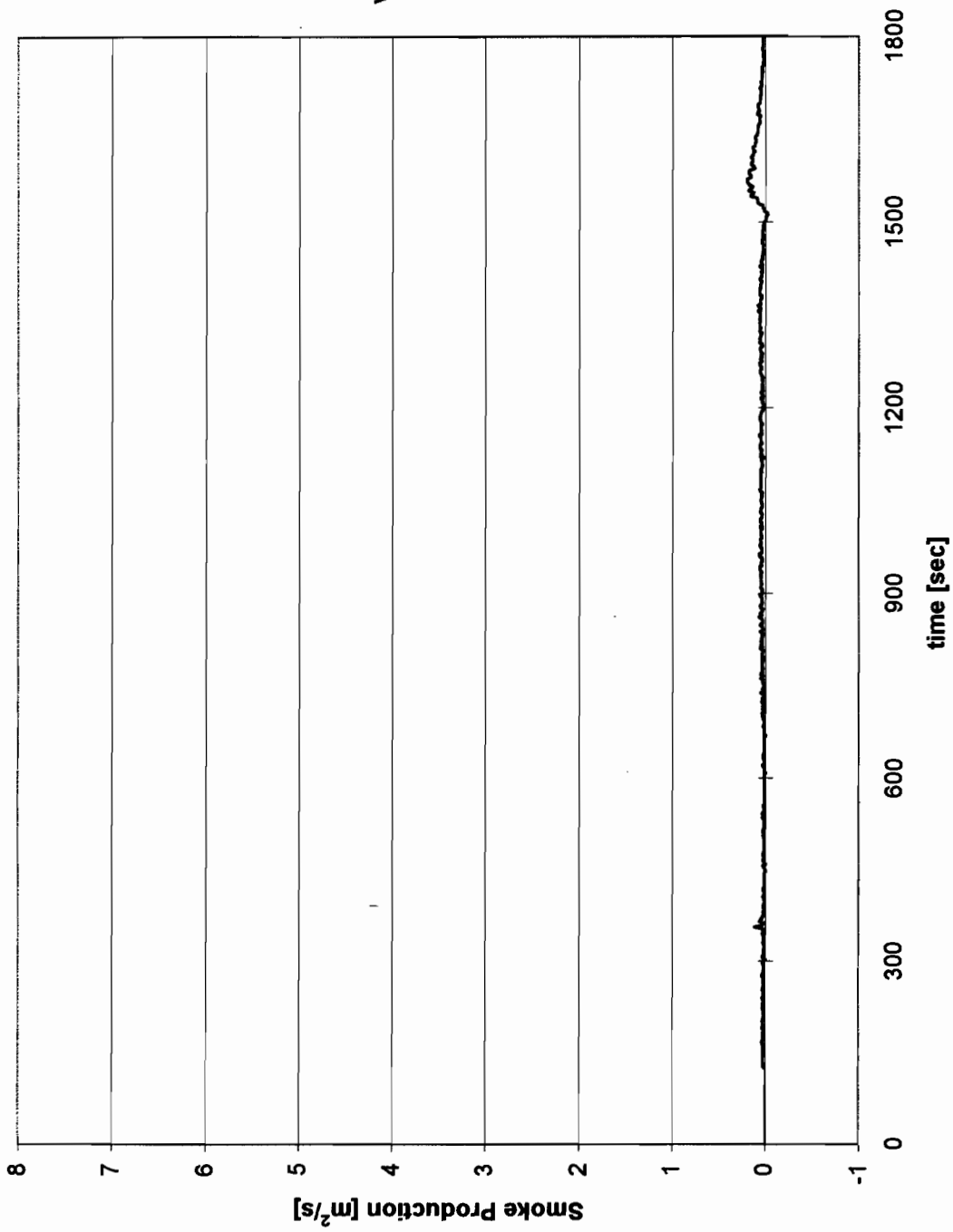
M16

1

14.08.97

v 4.1; 4 July '97

# Smoke Production



L04

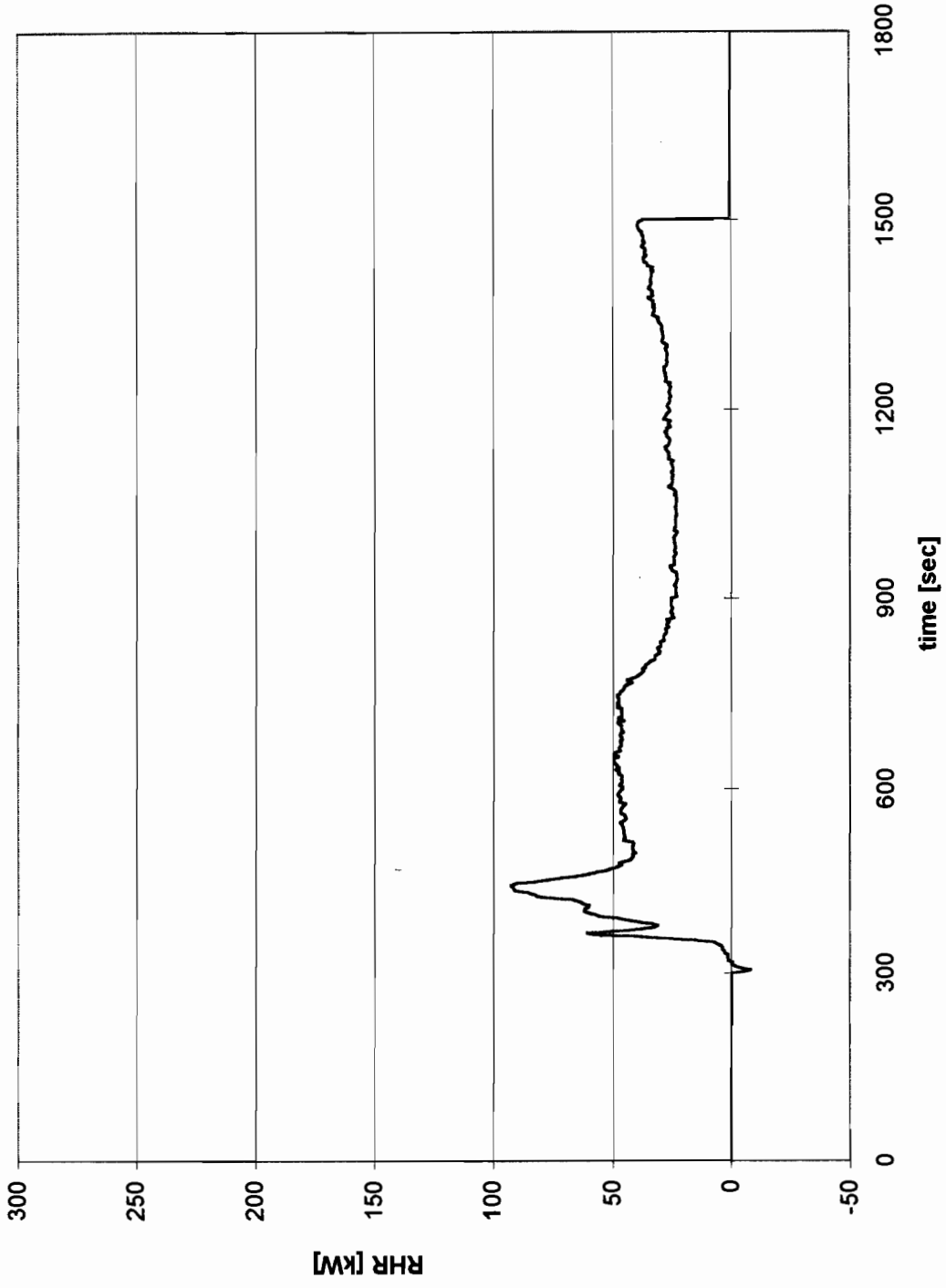
M16

1

14.08.97

v 4.1; 4 July '97

### RHR sample



L04

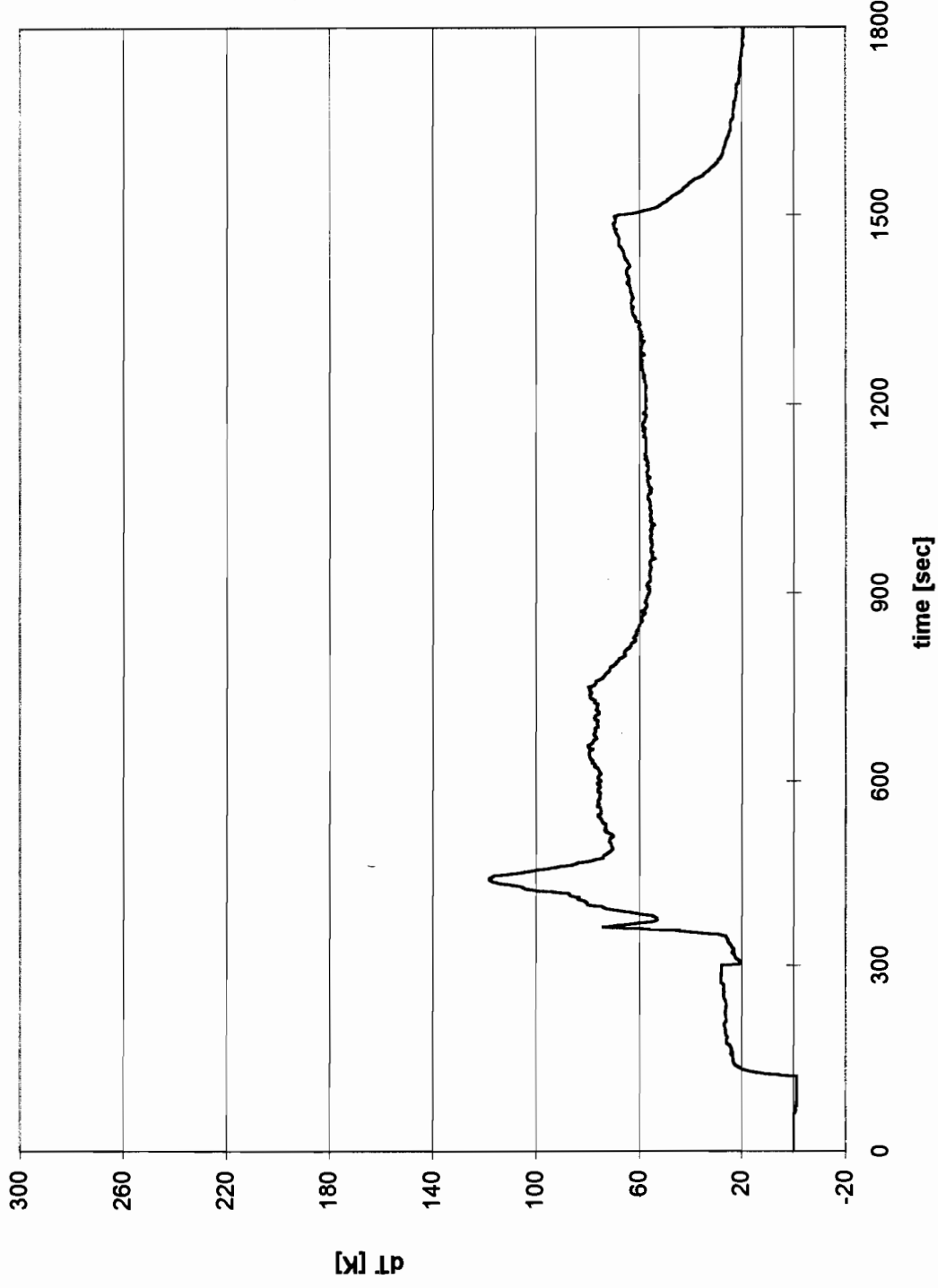
M16

2

15.08.97

v 4.1; 4 July '97

### Temperature rise



L04

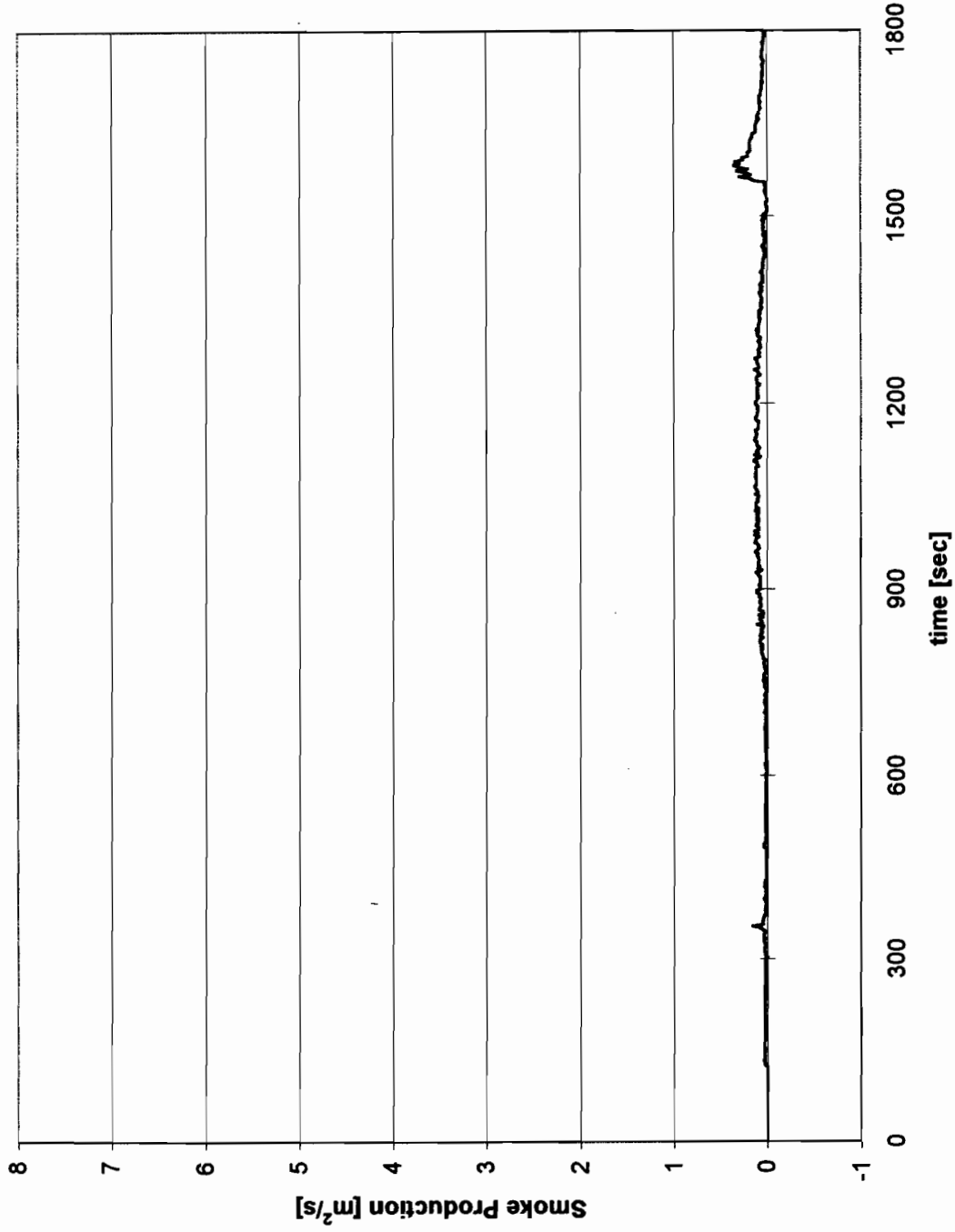
M16

2

15.08.97

v 4.1; 4 July '97

# Smoke Production



L04

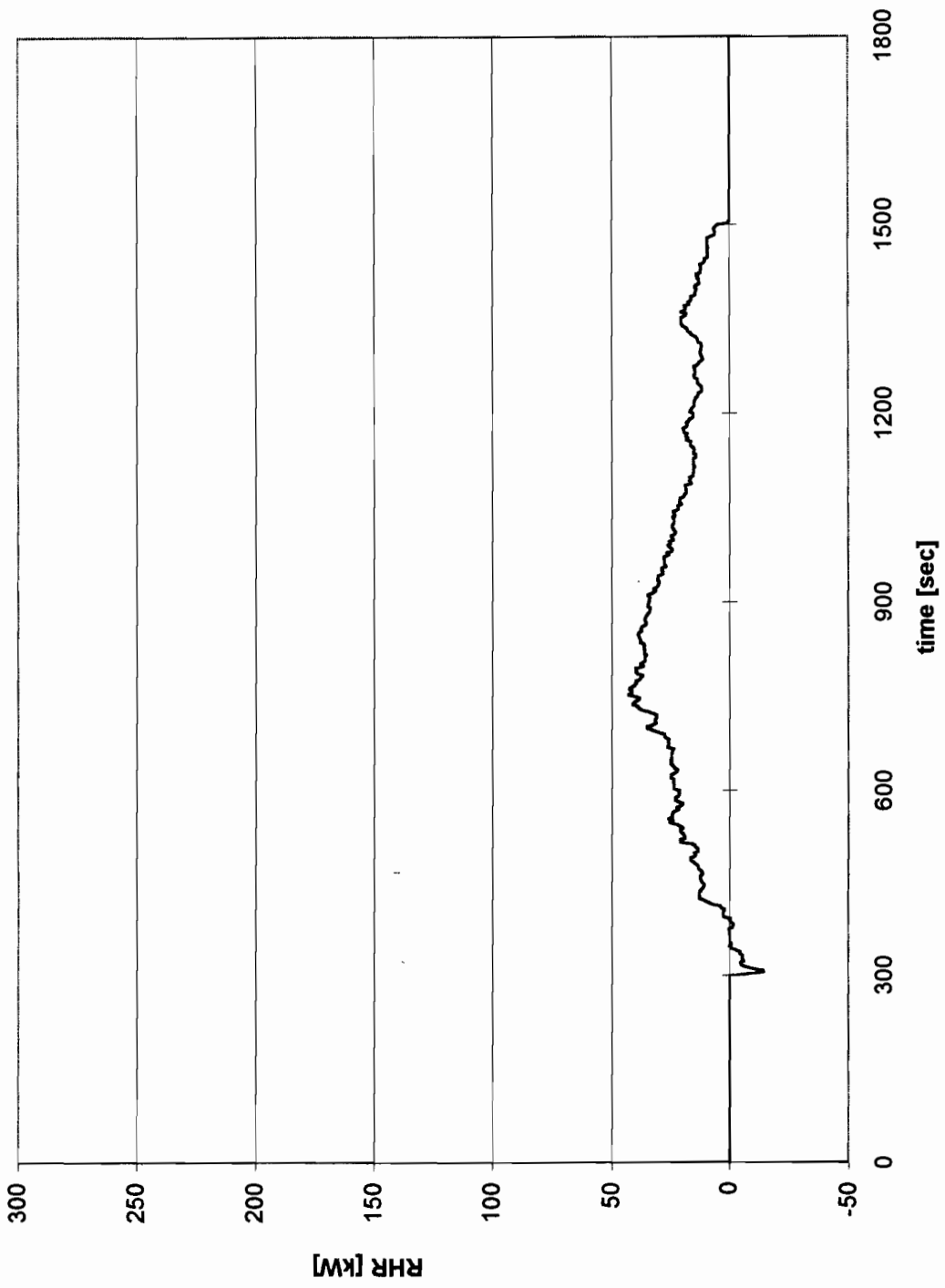
M16

2

15.08.97

v 4.1; 4 July '97

*RHR sample*



L04

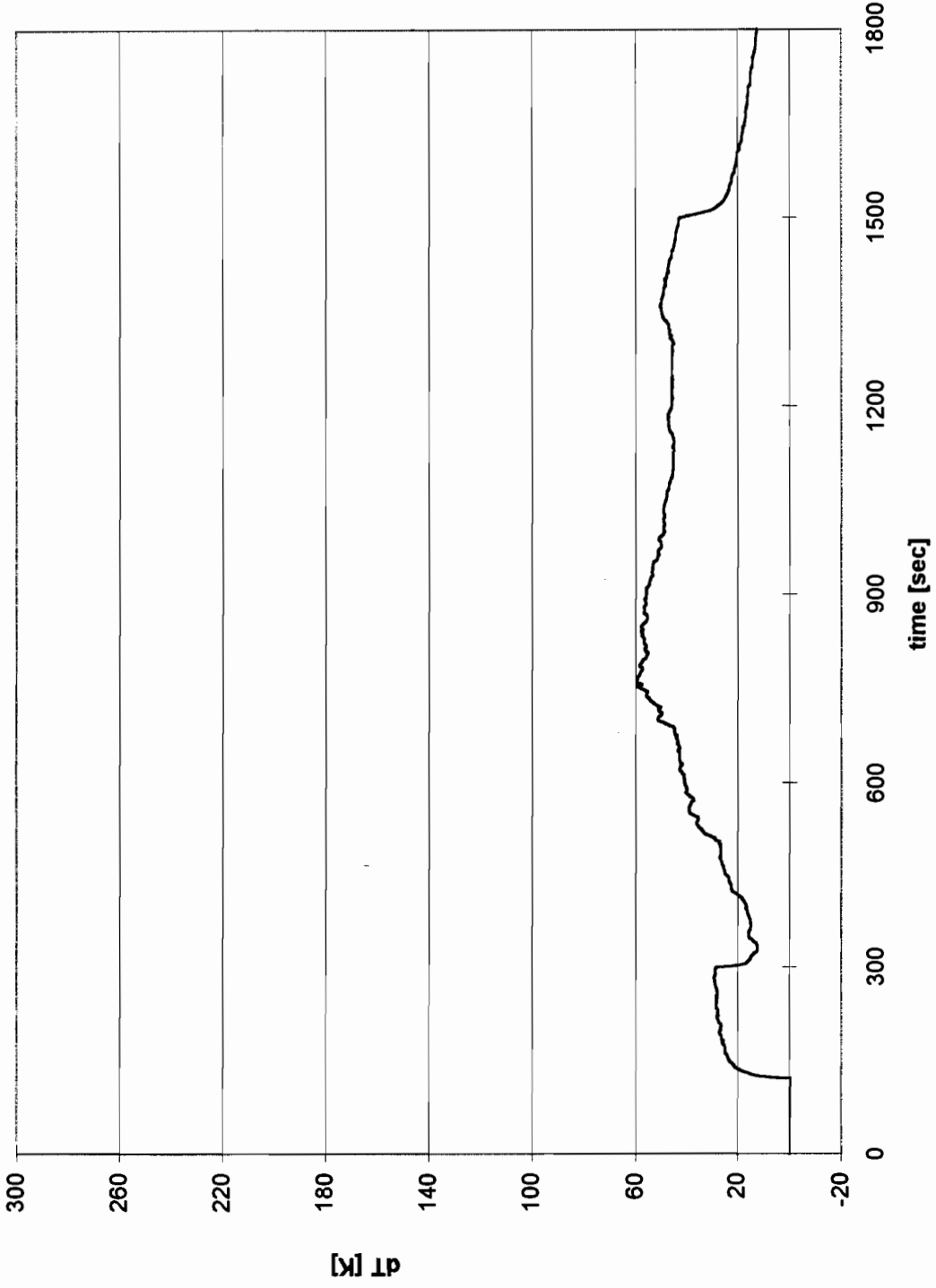
M17

1

08.09.97

v 4.1; 4 July '97

### Temperature rise



L04

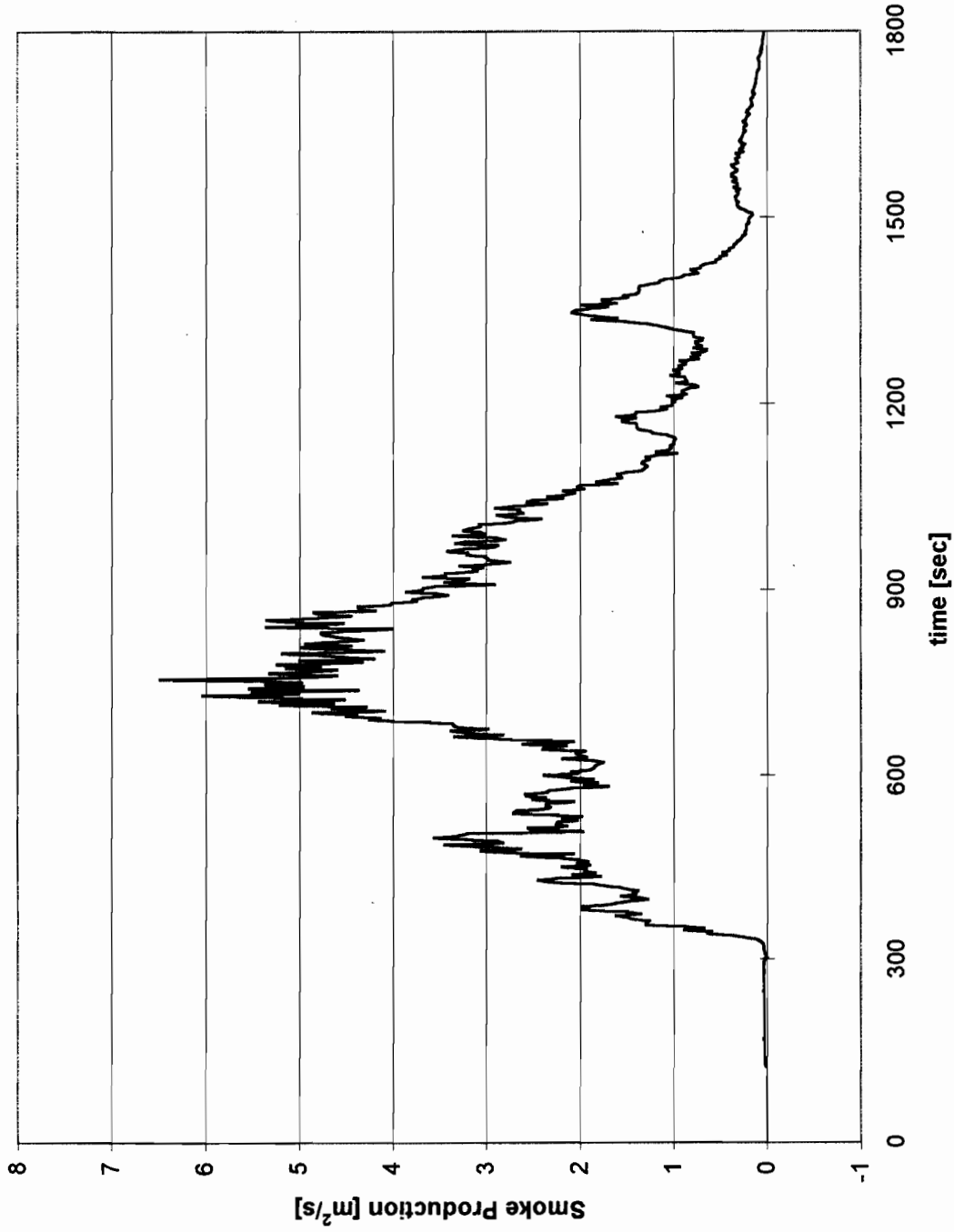
M17

1

08.09.97

v 4.1; 4 July '97

# Smoke Production



L04

M17

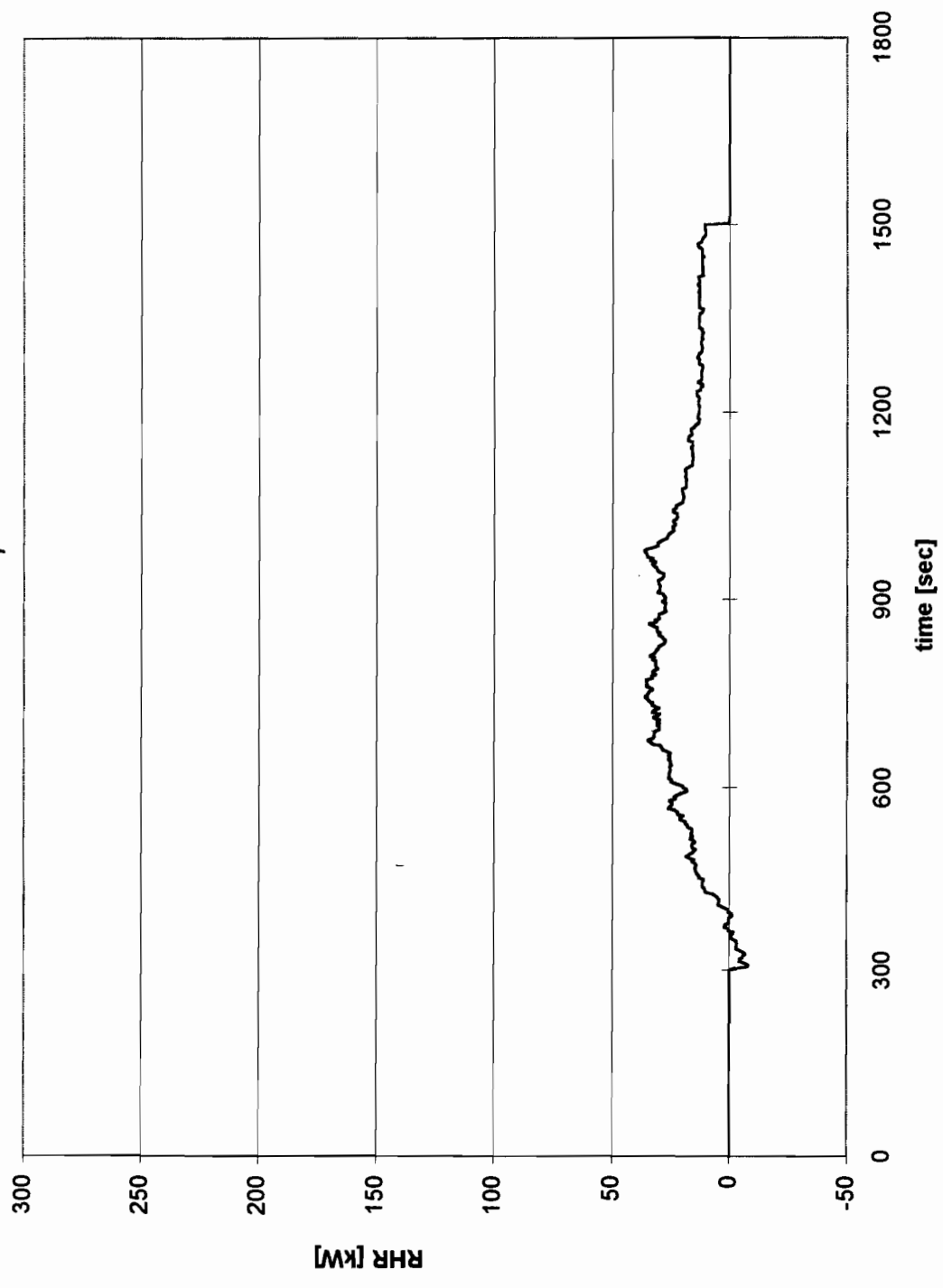
1

08.09.97

v 4.1; 4 July '97



### RHR sample



L04

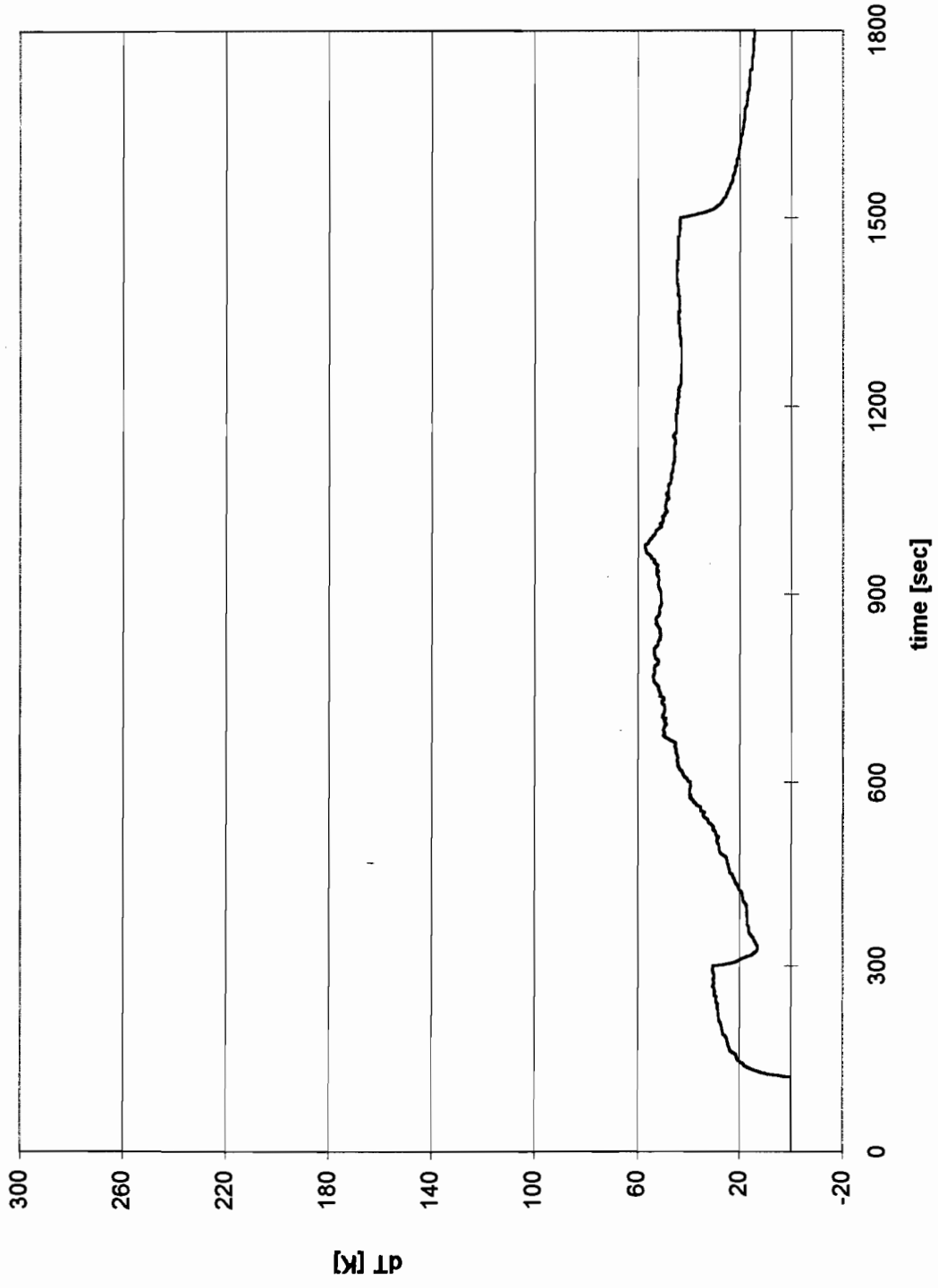
M17

2

08.09.97

v 4.1; 4 July '97

### Temperature rise



L04

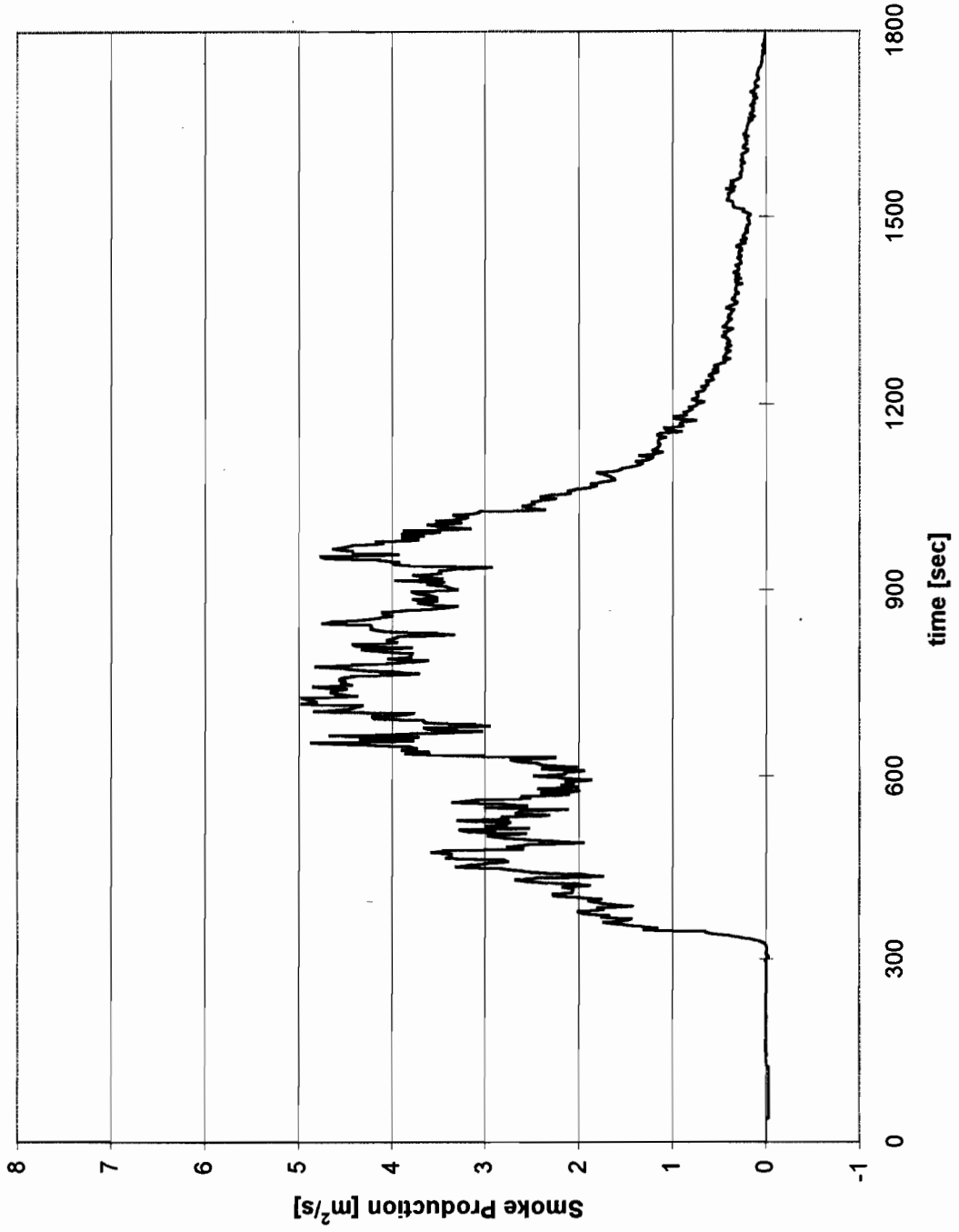
M17

2

08.09.97

v 4.1; 4 July '97

# Smoke Production



L04

M17

2

08.09.97

v 4.1; 4 July '97

*RHR sample*



L04

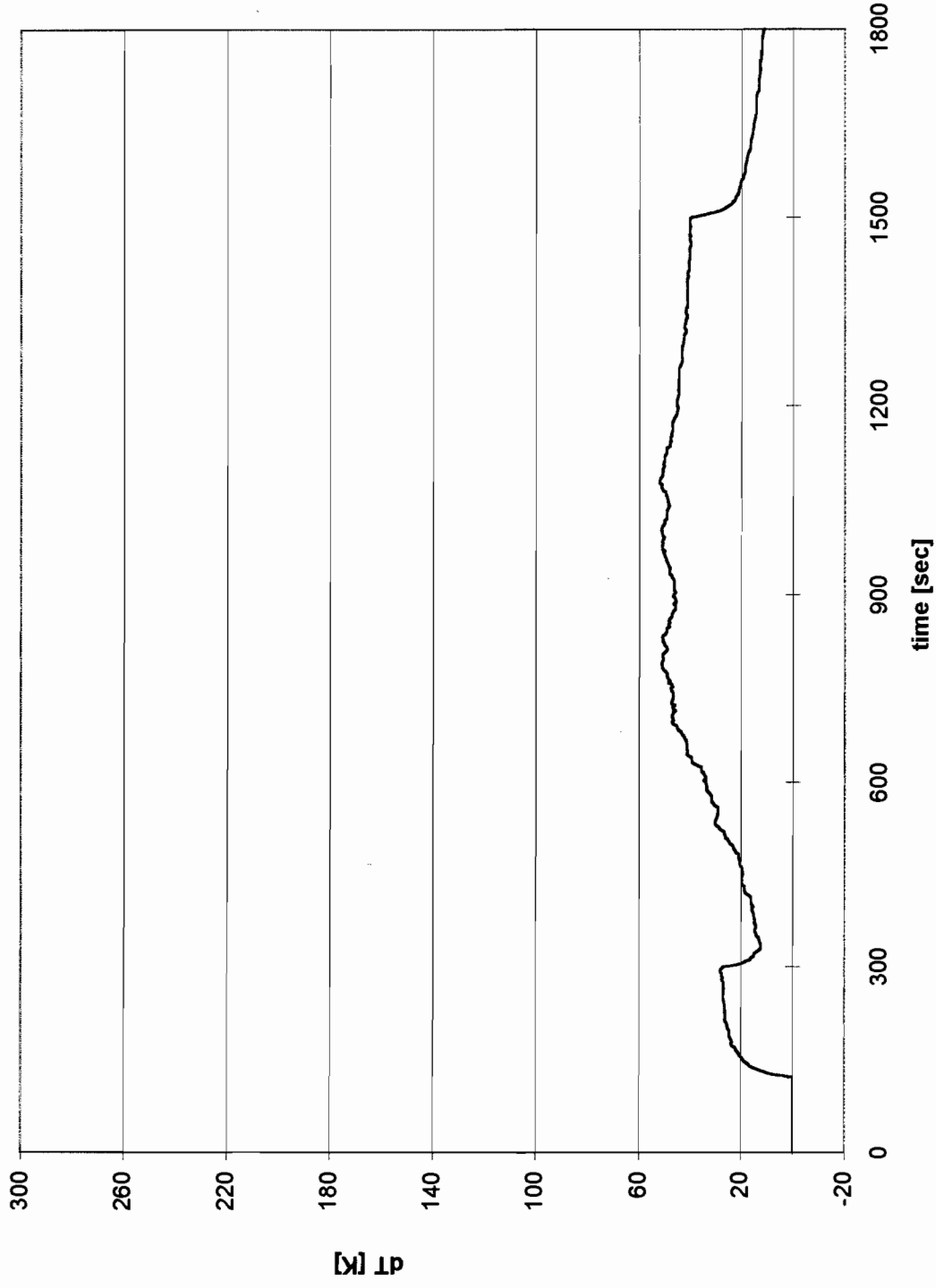
M17

3

08.09.97

v 4.1; 4 July '97

### Temperature rise



L04

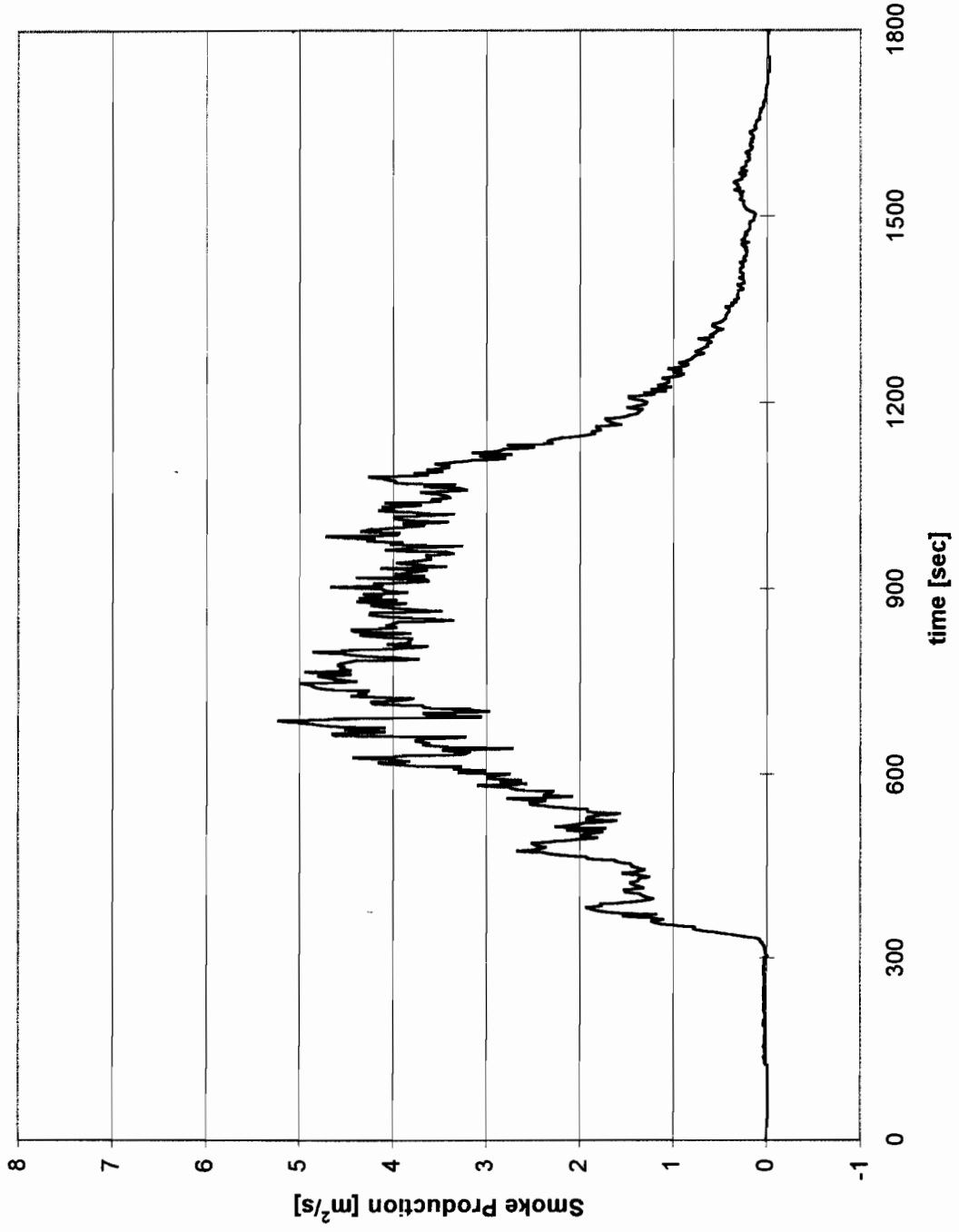
M17

3

08.09.97

v 4.1; 4 July '97

# Smoke Production



L04

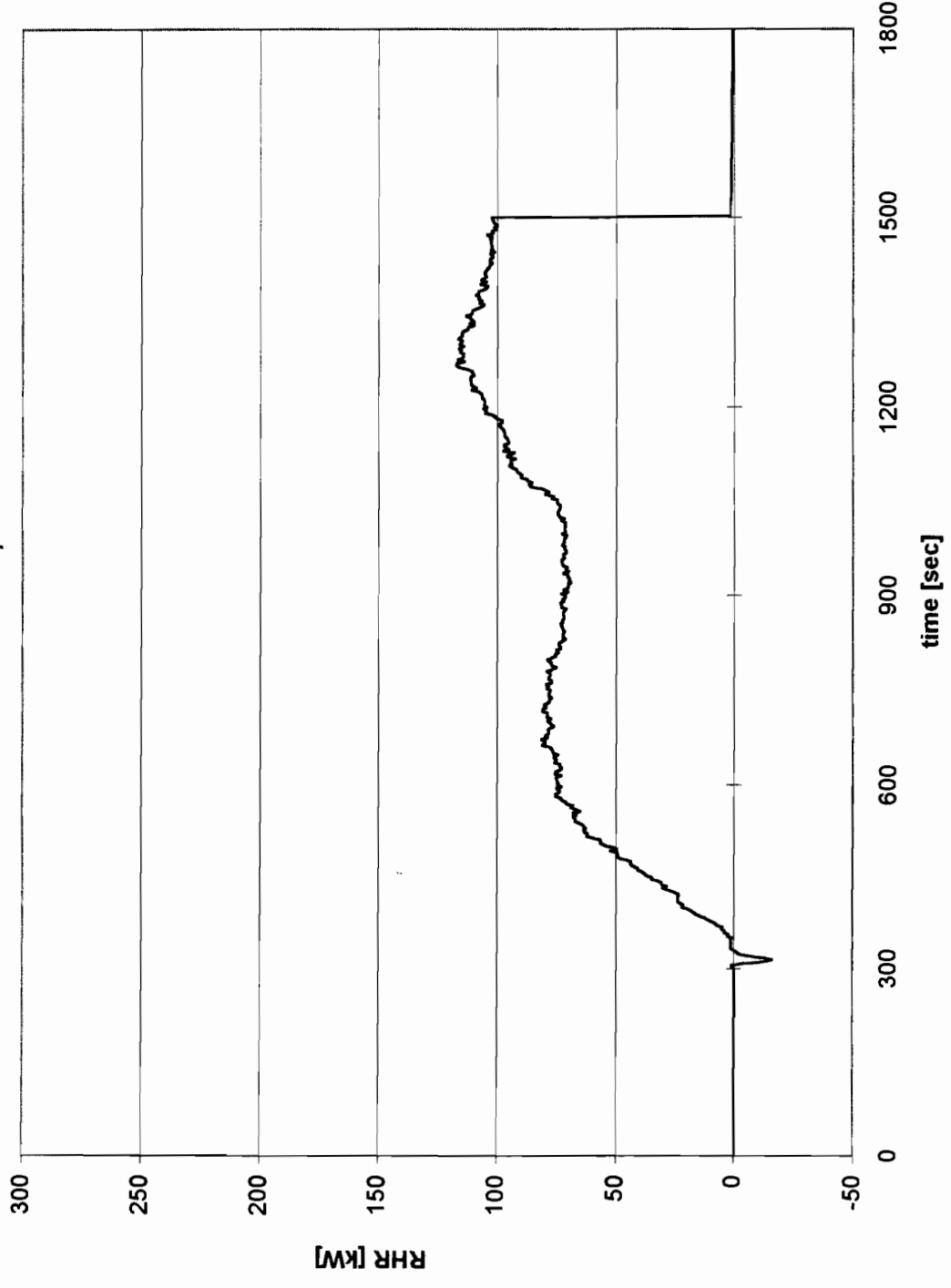
M17

3

08.09.97

v 4.1; 4 July '97

### RHR sample



L04

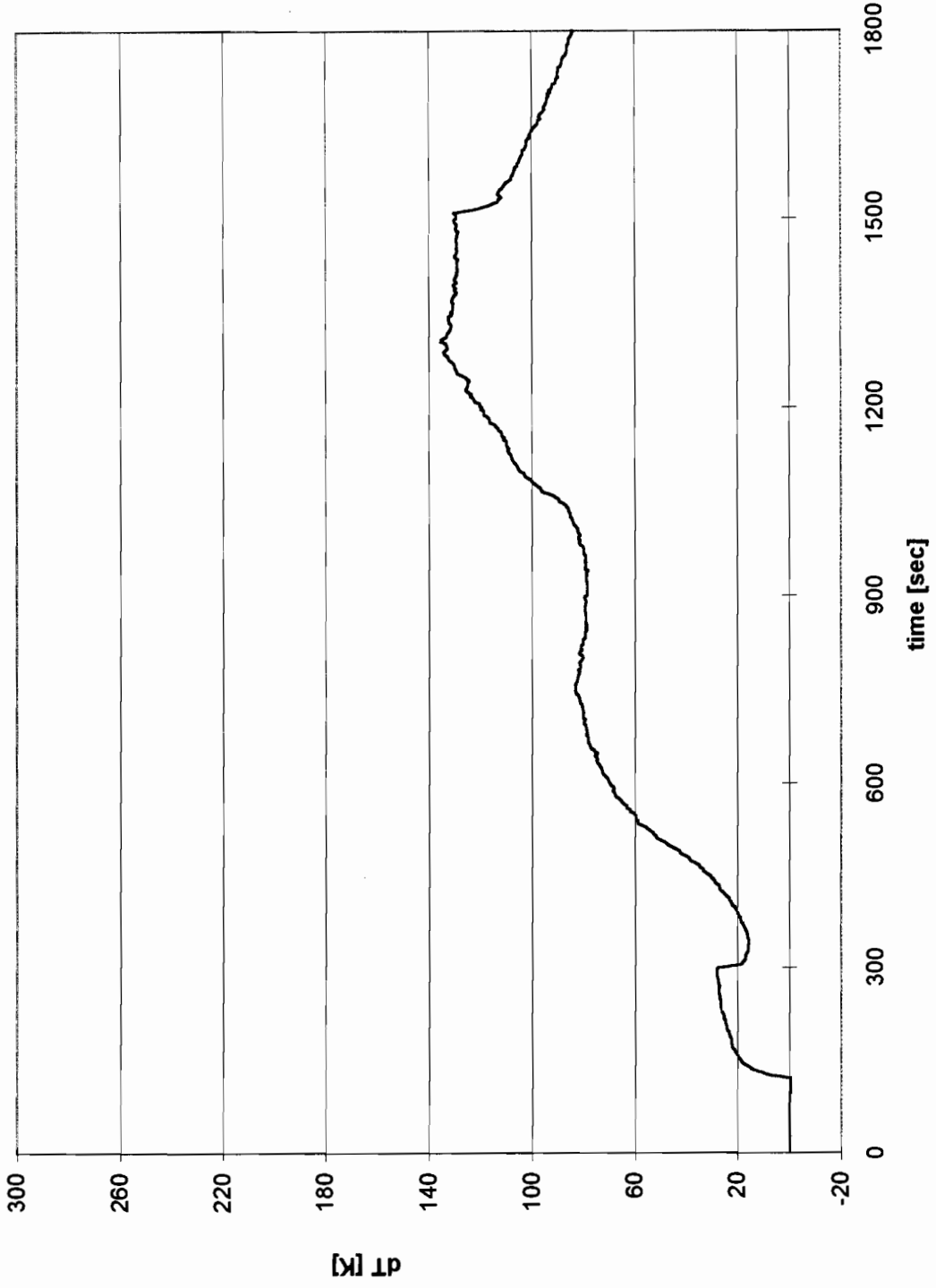
M18

1

09.09.97

v 4.1; 4 July '97

### Temperature rise



L04

M18

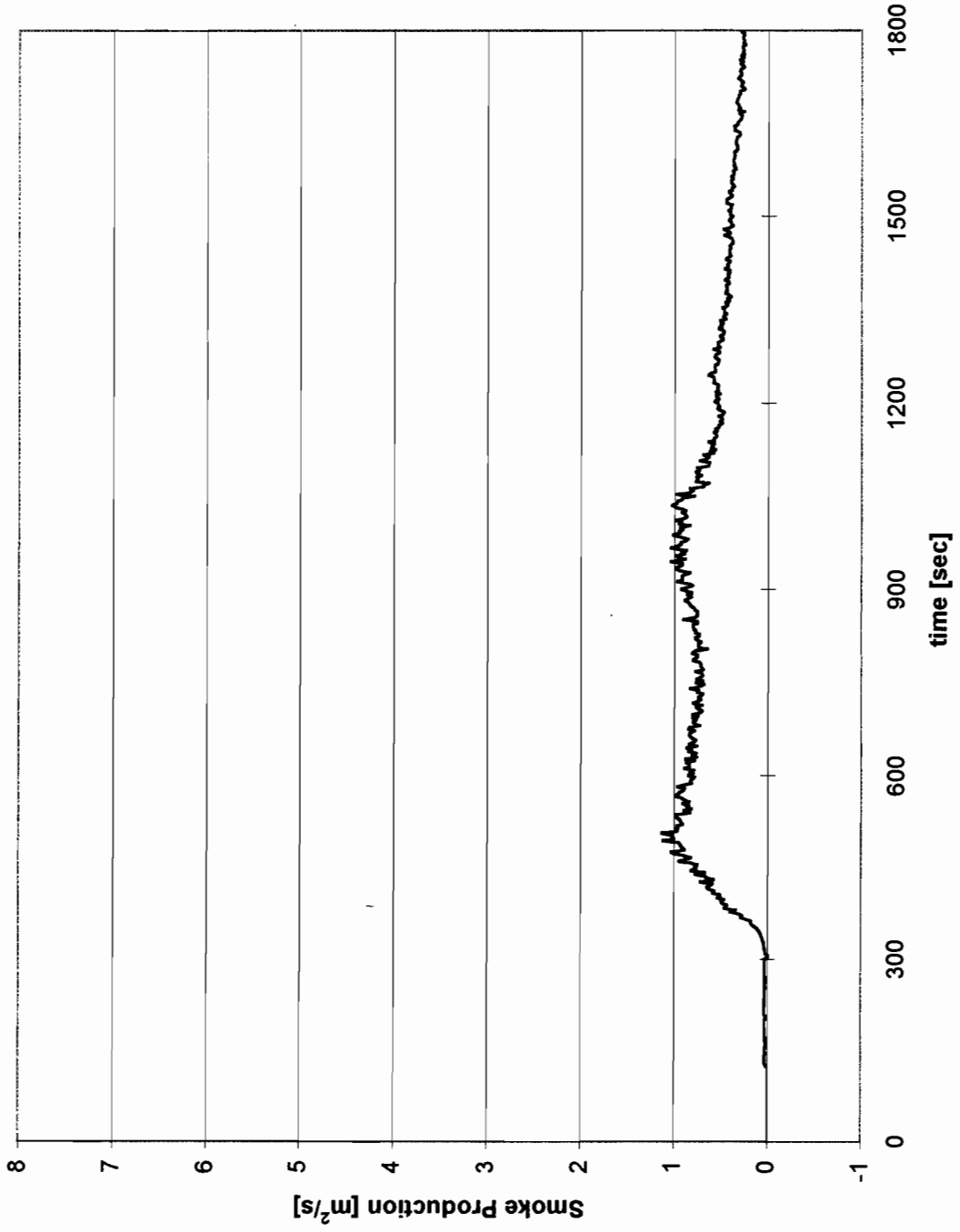
1

09.09.97

v 4.1; 4 July '97



# Smoke Production



L04

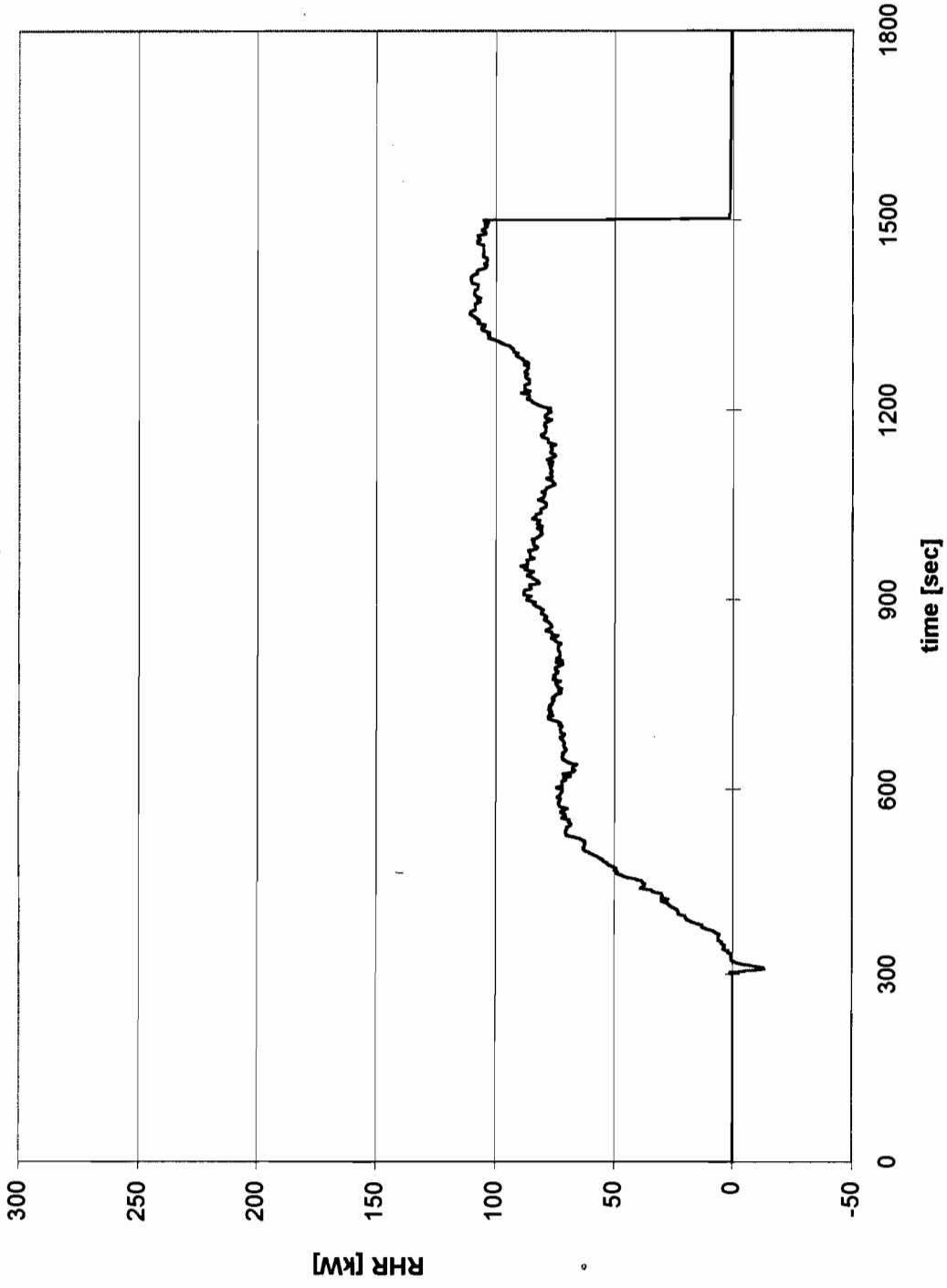
M18

1

09.09.97

v 4.1; 4 July '97

# RHR sample



L04

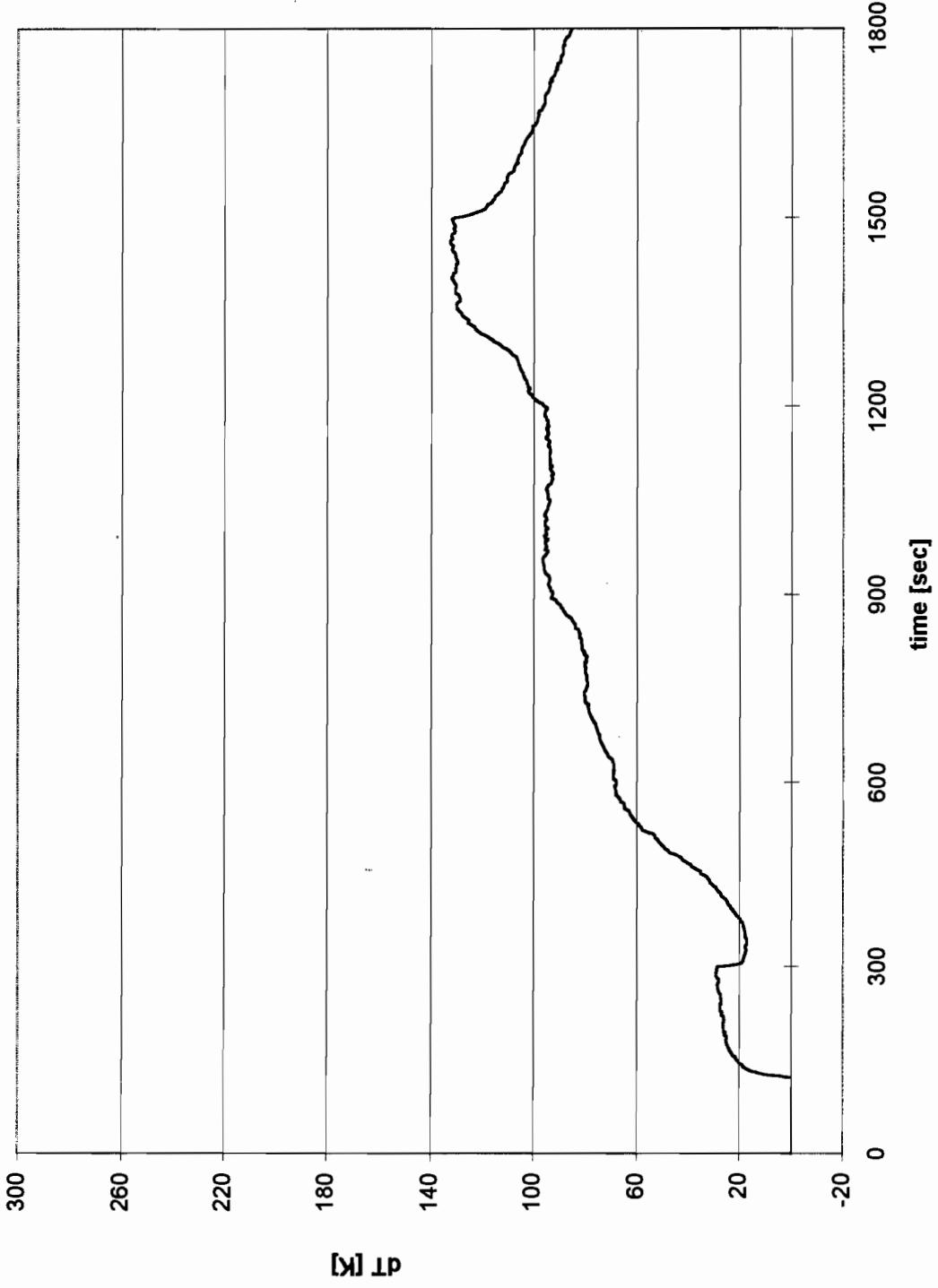
M18

2

09.09.97

v 4.1; 4 July '97

### Temperature rise



L04

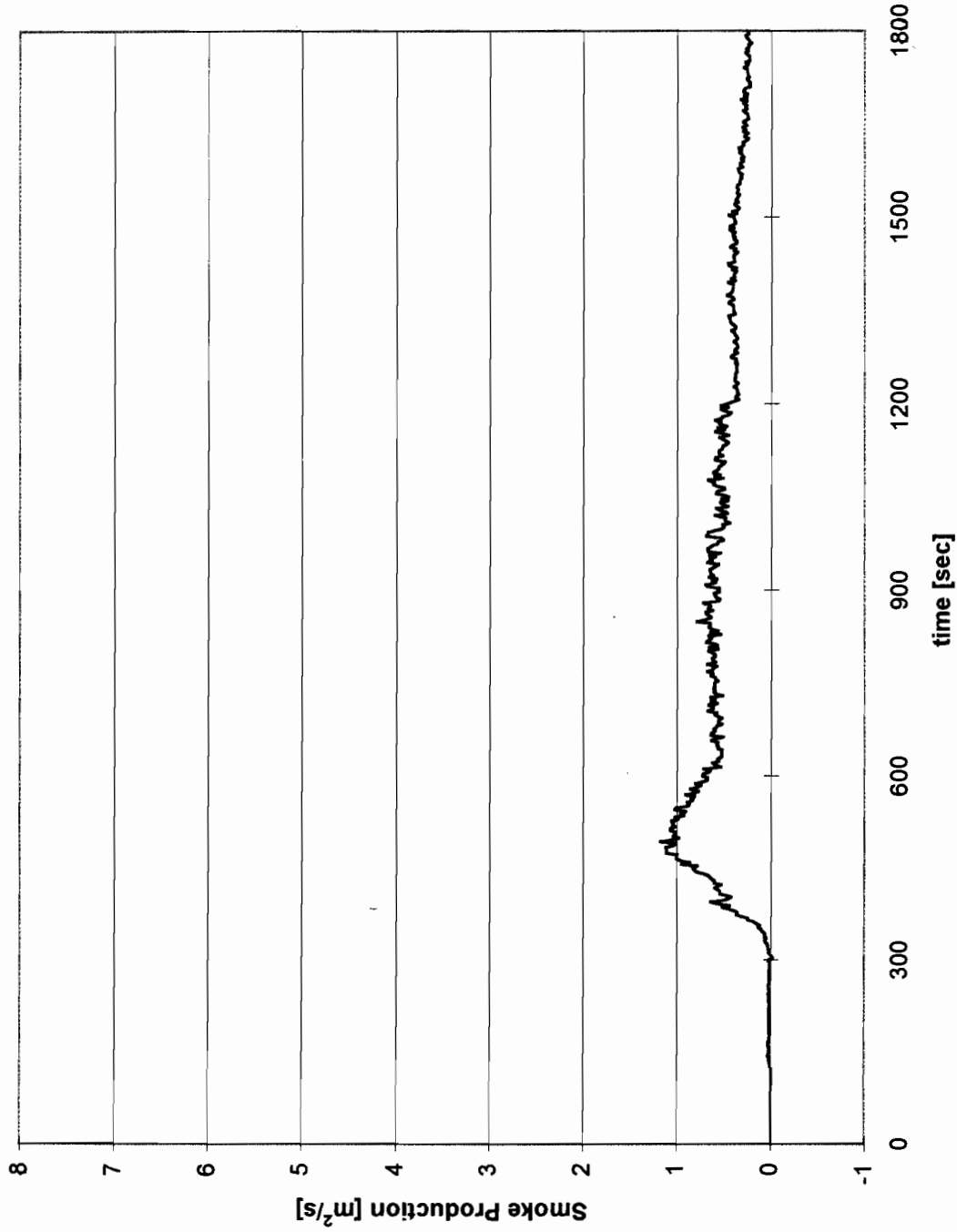
M18

2

09.09.97

v 4.1; 4 July '97

# Smoke Production



L04

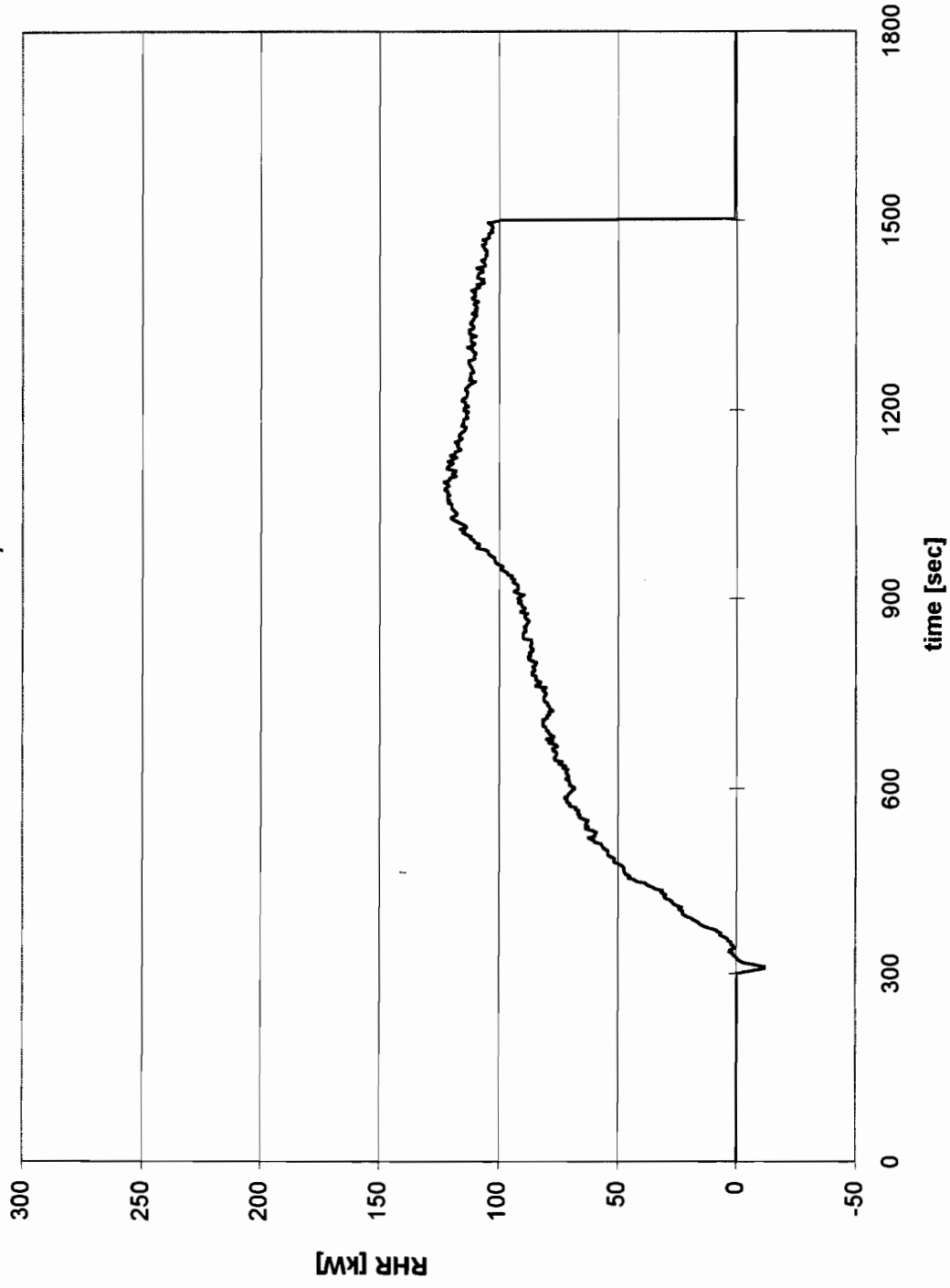
M18

2

09.09.97

v 4.1; 4 July '97

*RHR sample*



L04

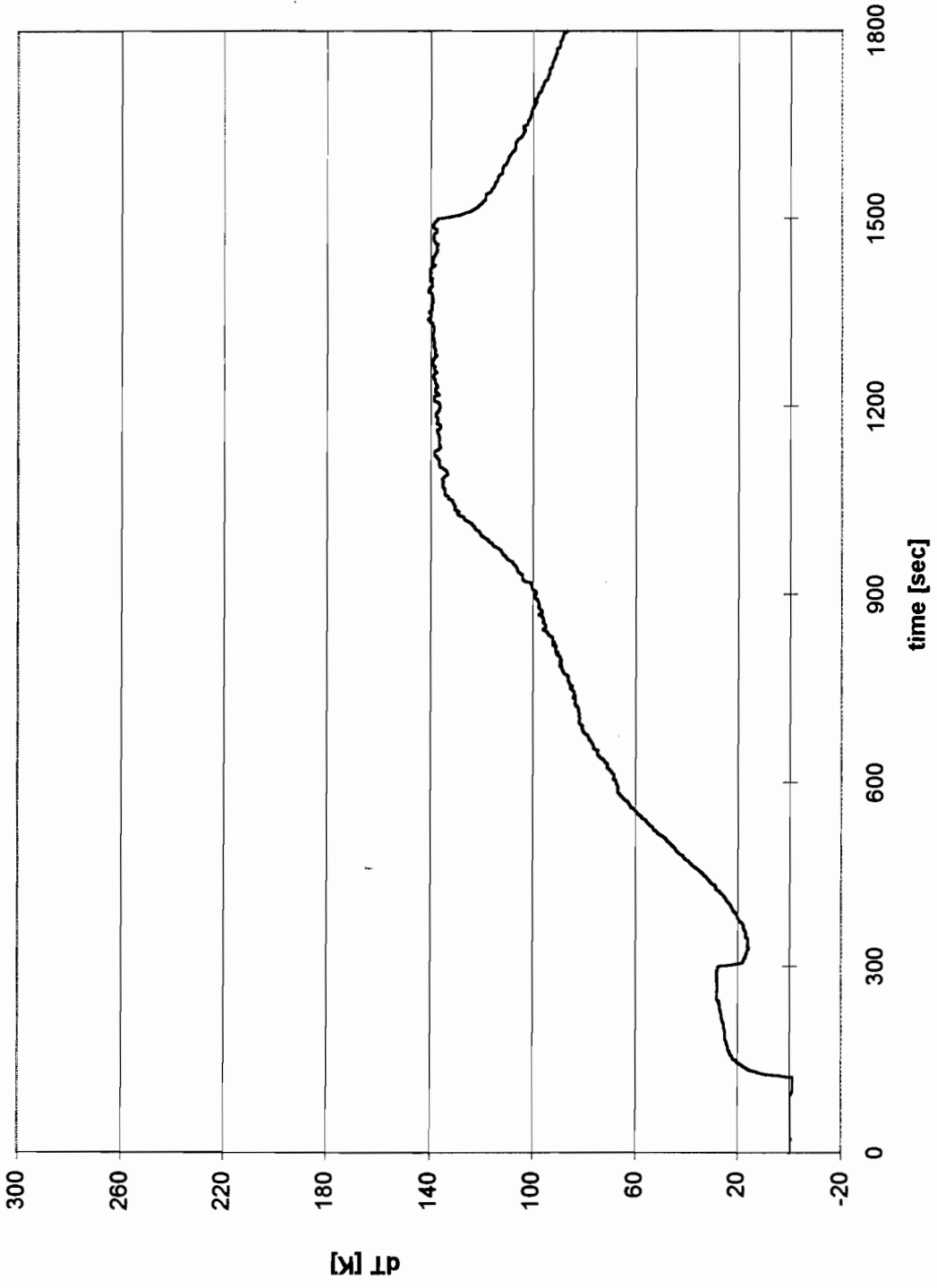
M18

3

10.09.97

v 4.1; 4 July '97

### Temperature rise



L04

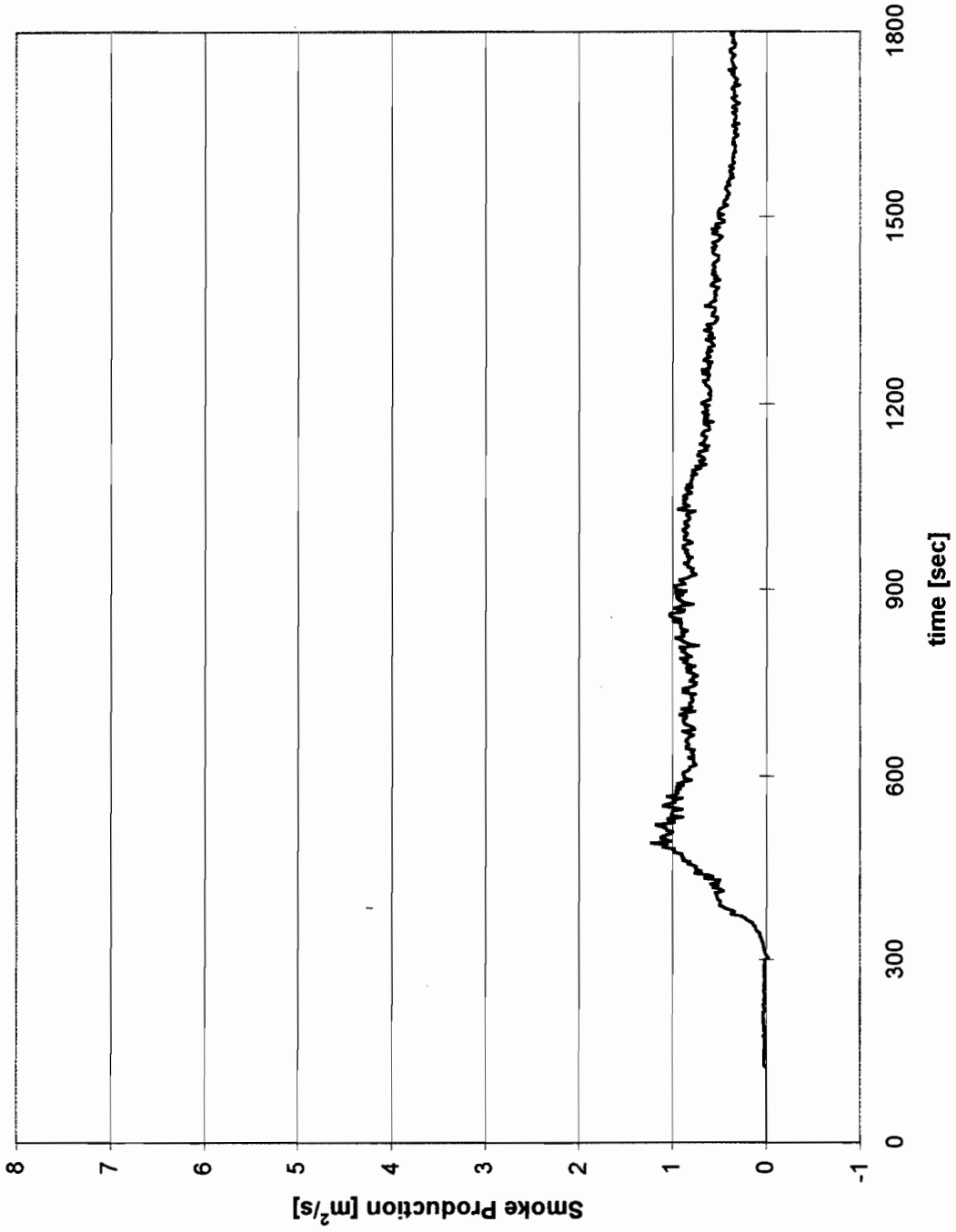
M18

3

10.09.97

v 4.1; 4 July '97

# Smoke Production



L04

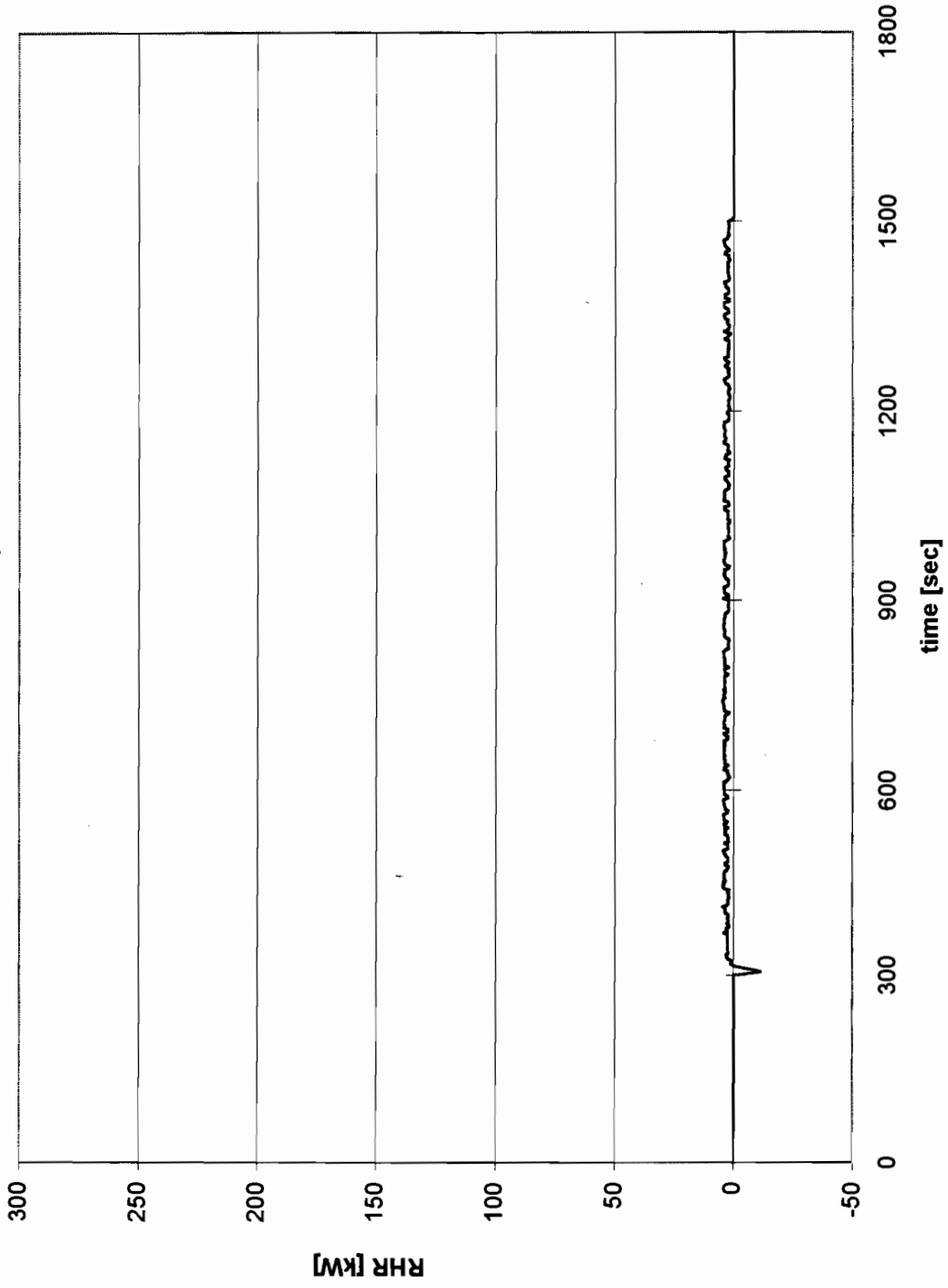
M18

3

10.09.97

v 4.1; 4 July '97

### RHR sample



L04

M19

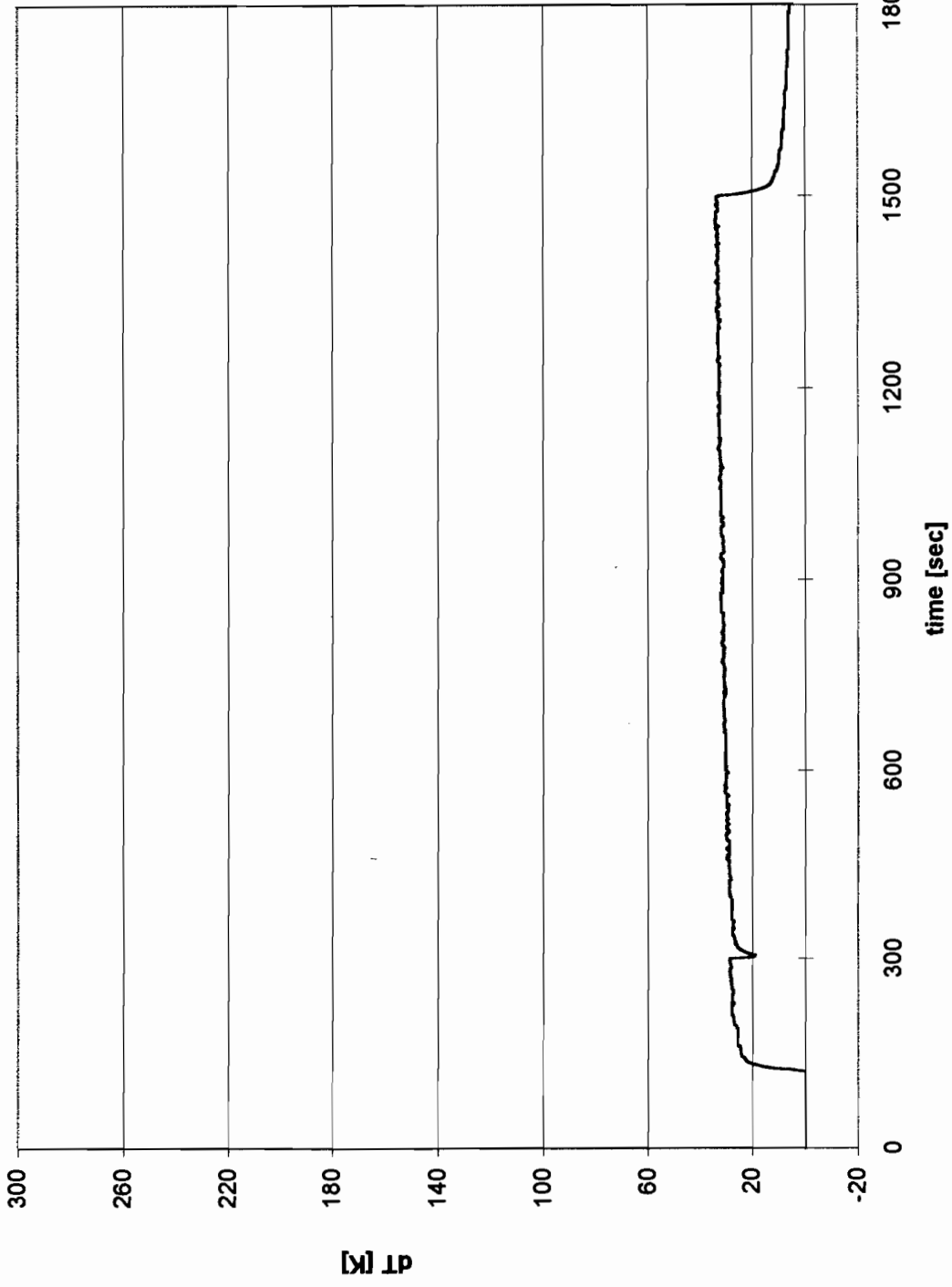
1

21.08.97

v 4.1; 4 July '97



*Temperature rise*



L04

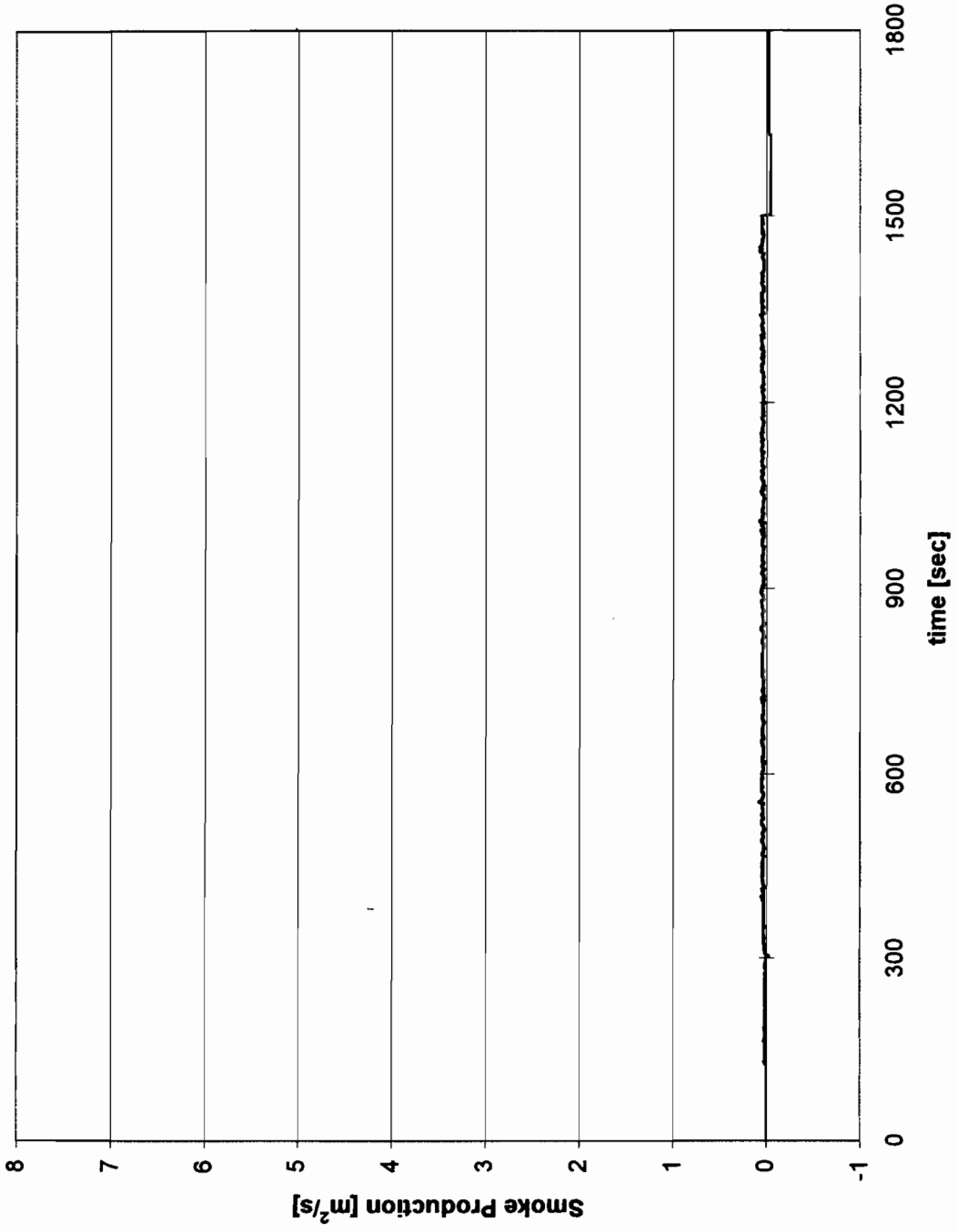
M19

1

21.08.97

v 4.1; 4 July '97

# Smoke Production



L04

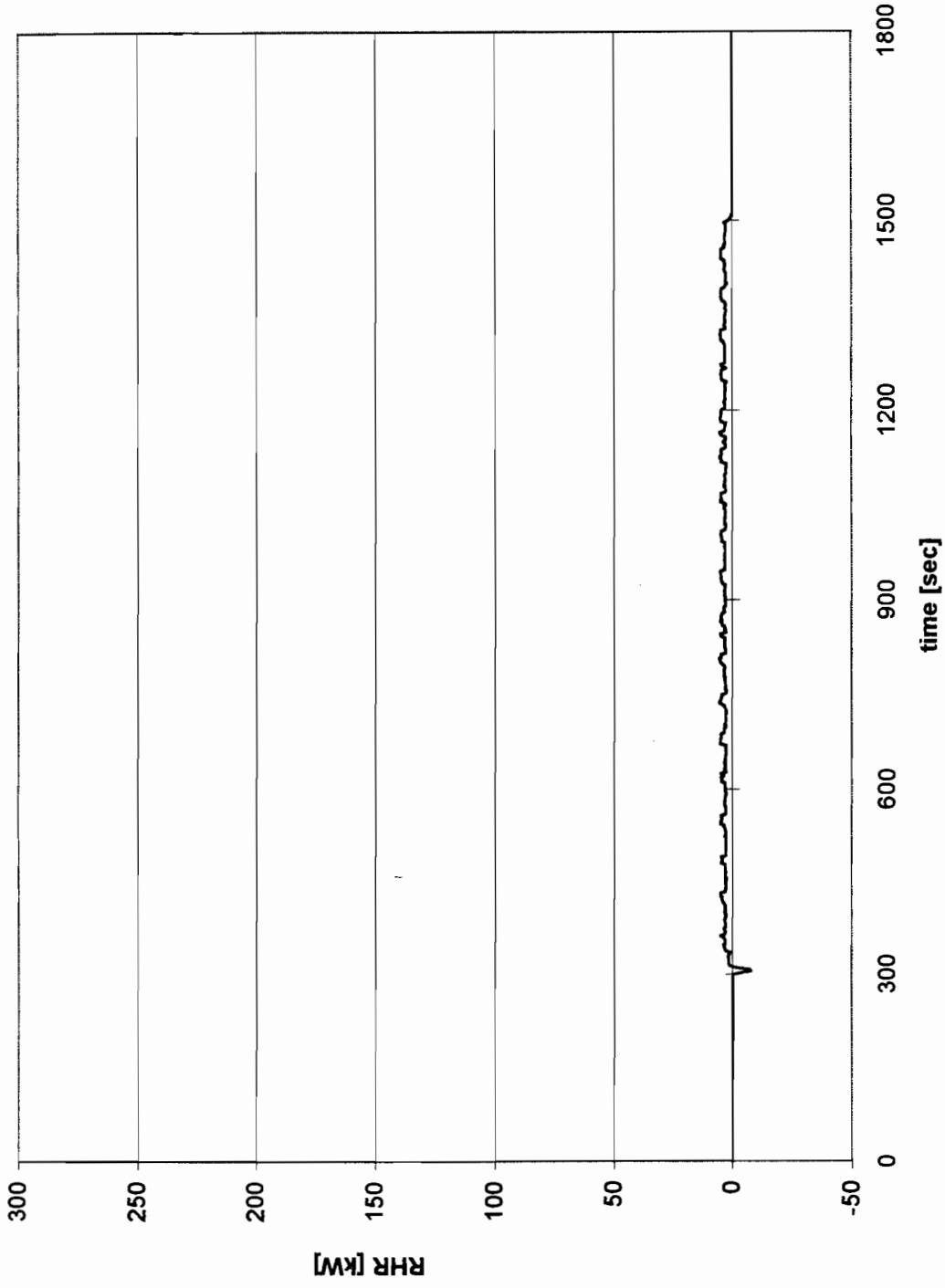
M19

1

21.08.97

v 4.1; 4 July '97

### RHR sample



L04

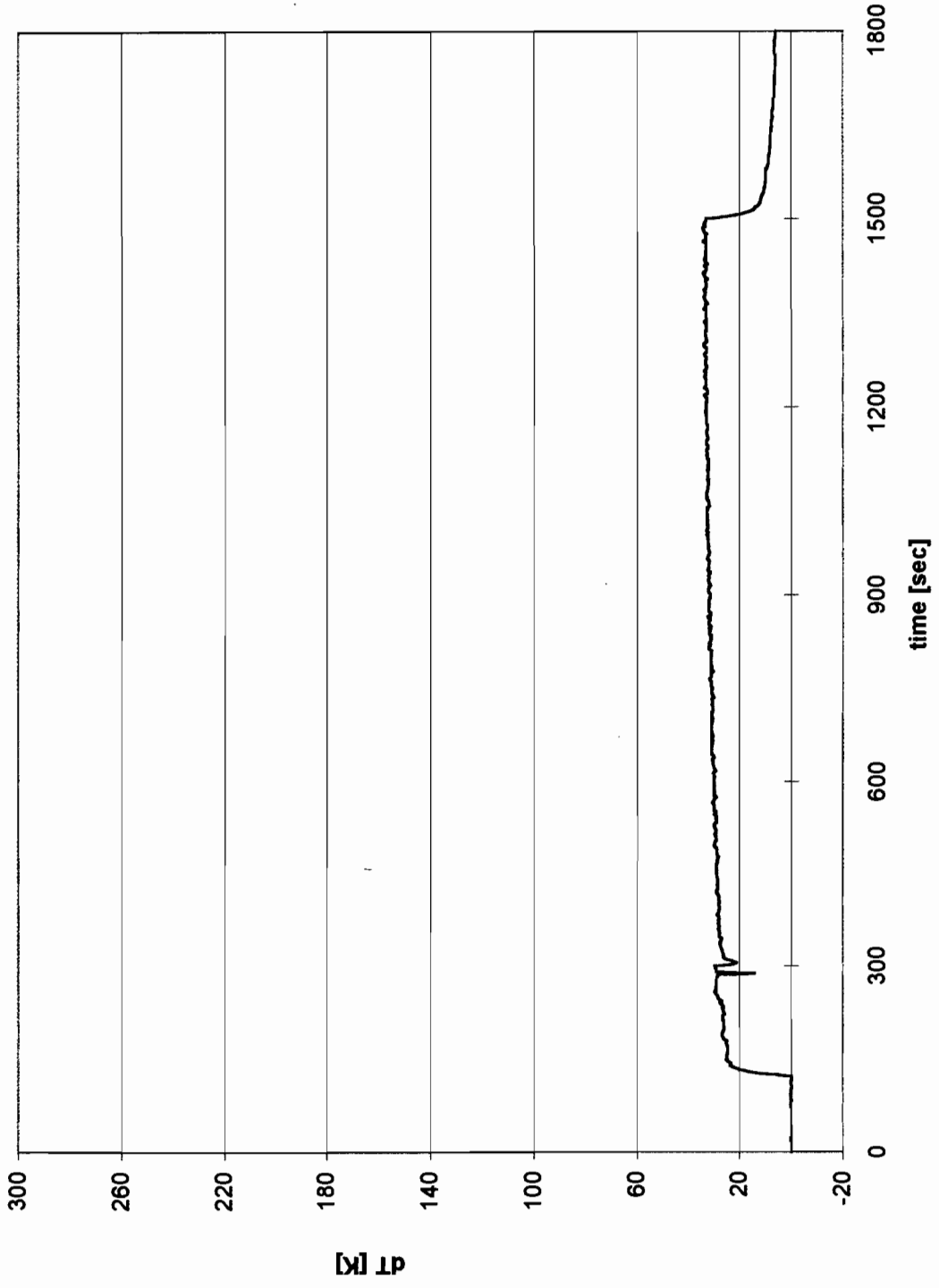
M19

2

25.08.97

v 4.1; 4 July '97

*Temperature rise*



L04

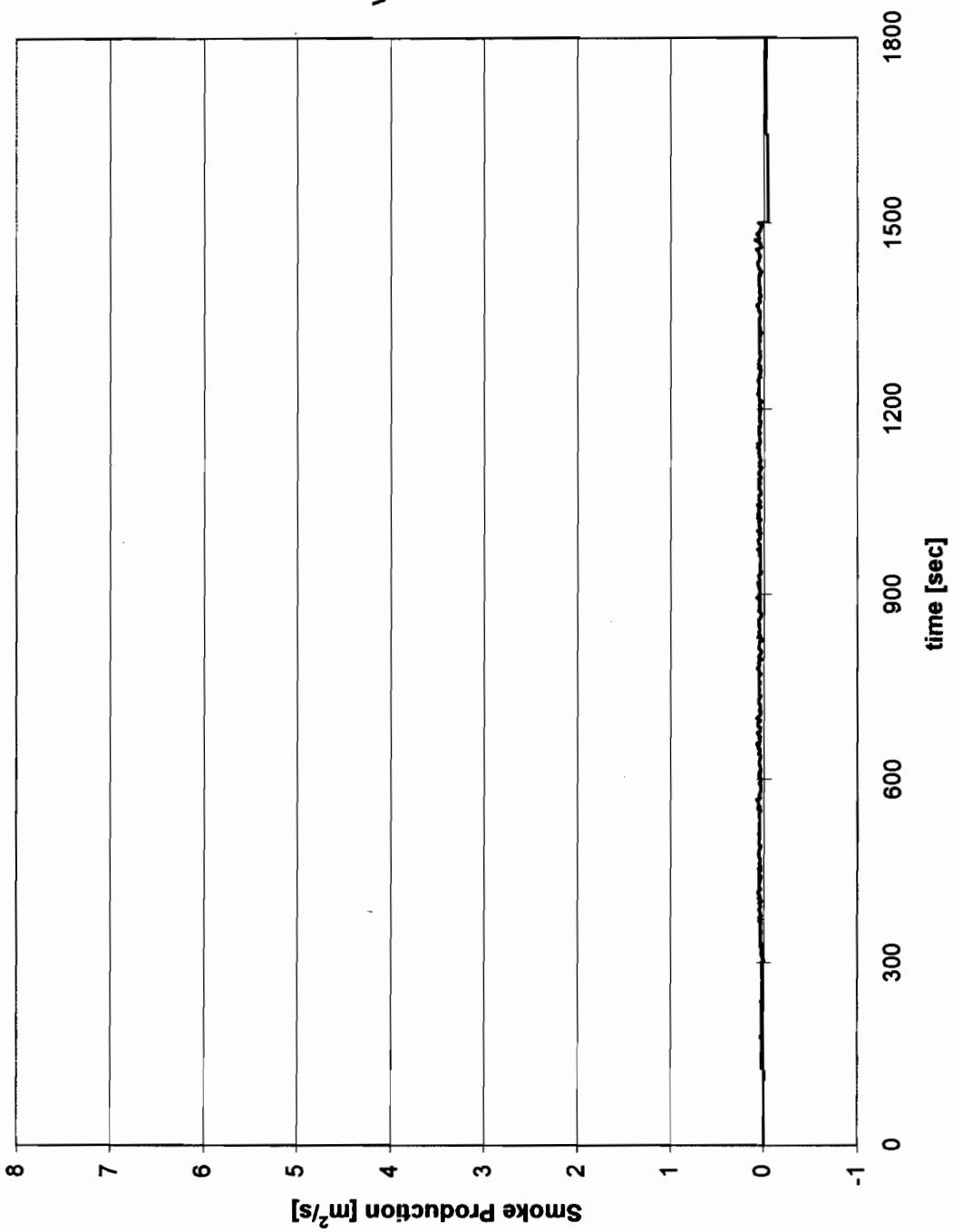
M19

2

25.08.97

v 4.1; 4 July '97

# Smoke Production



L04

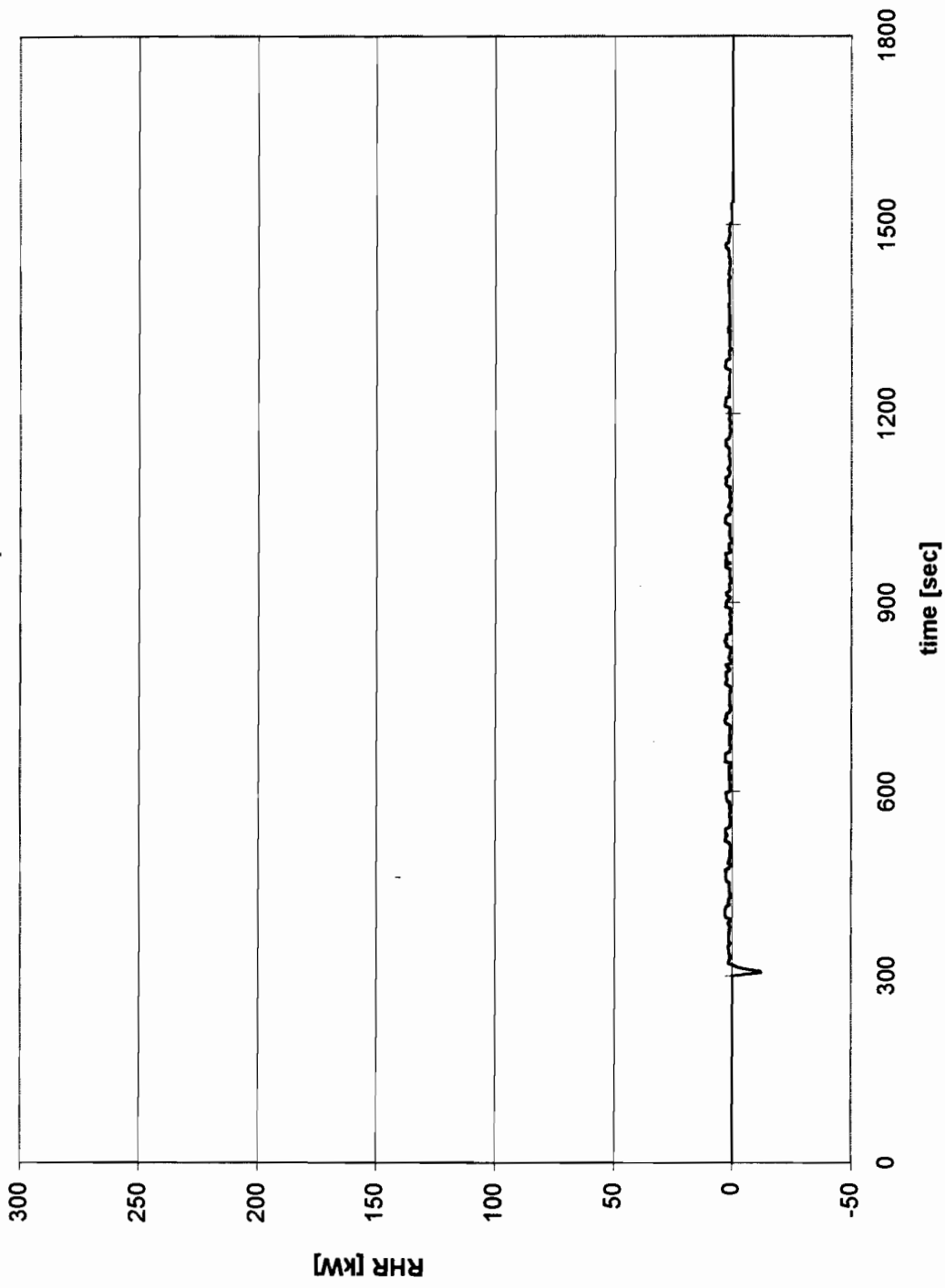
M19

2

25.08.97

v 4.1; 4 July '97

*RHR sample*



L04

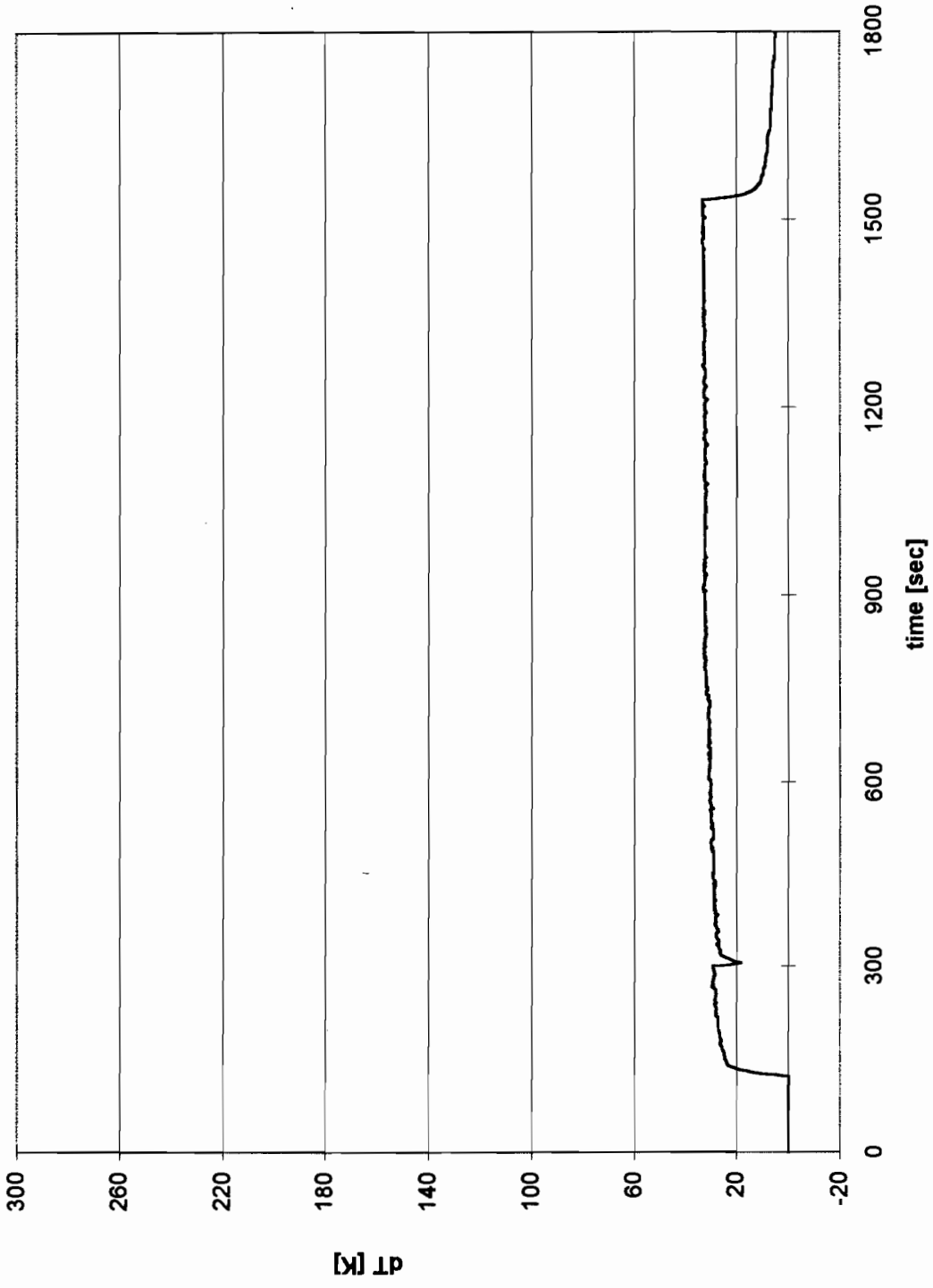
M19

3

26.08.97

v 4.1; 4 July '97

*Temperature rise*



L04

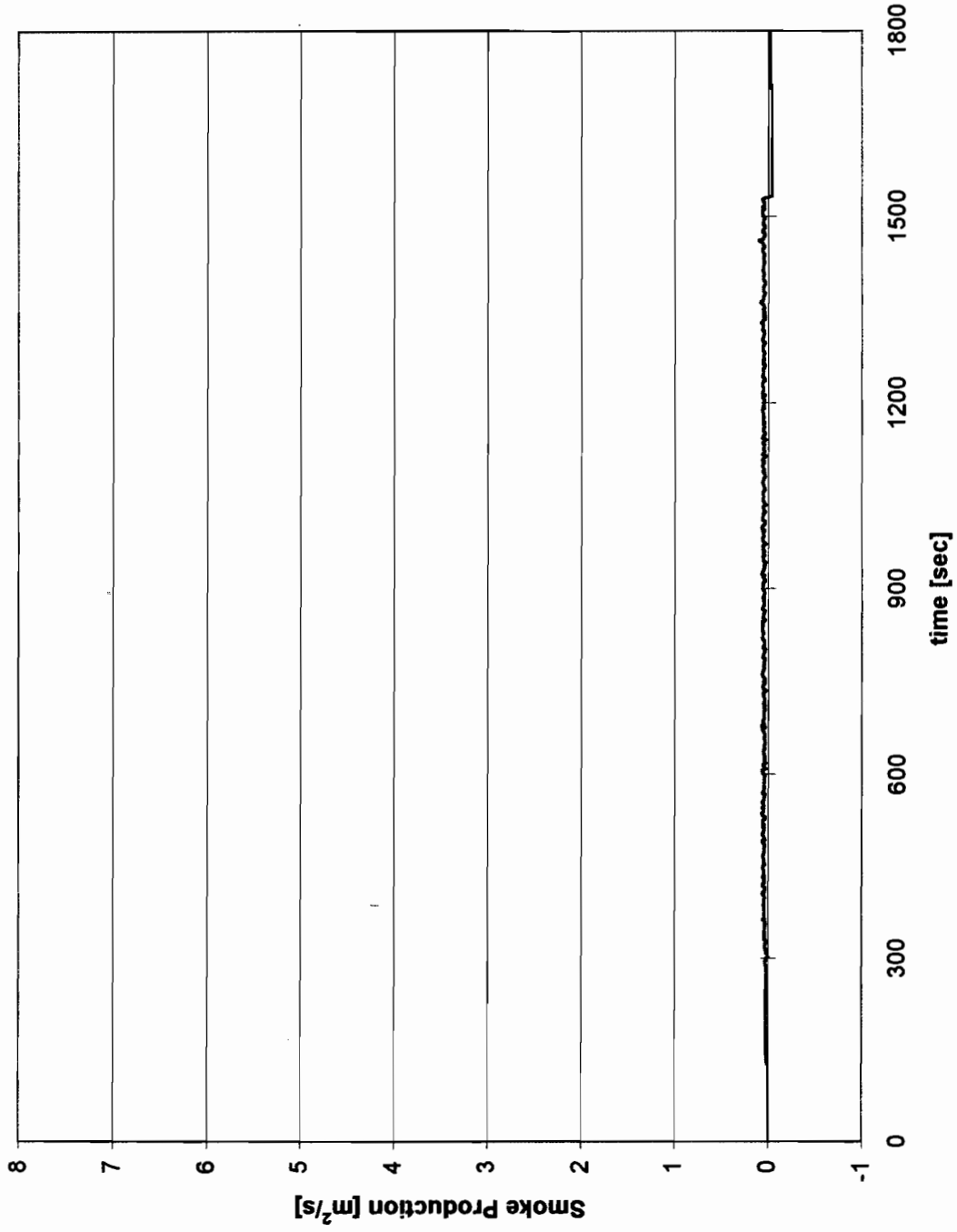
M19

3

26.08.97

v 4.1; 4 July '97

# Smoke Production



L04

M19

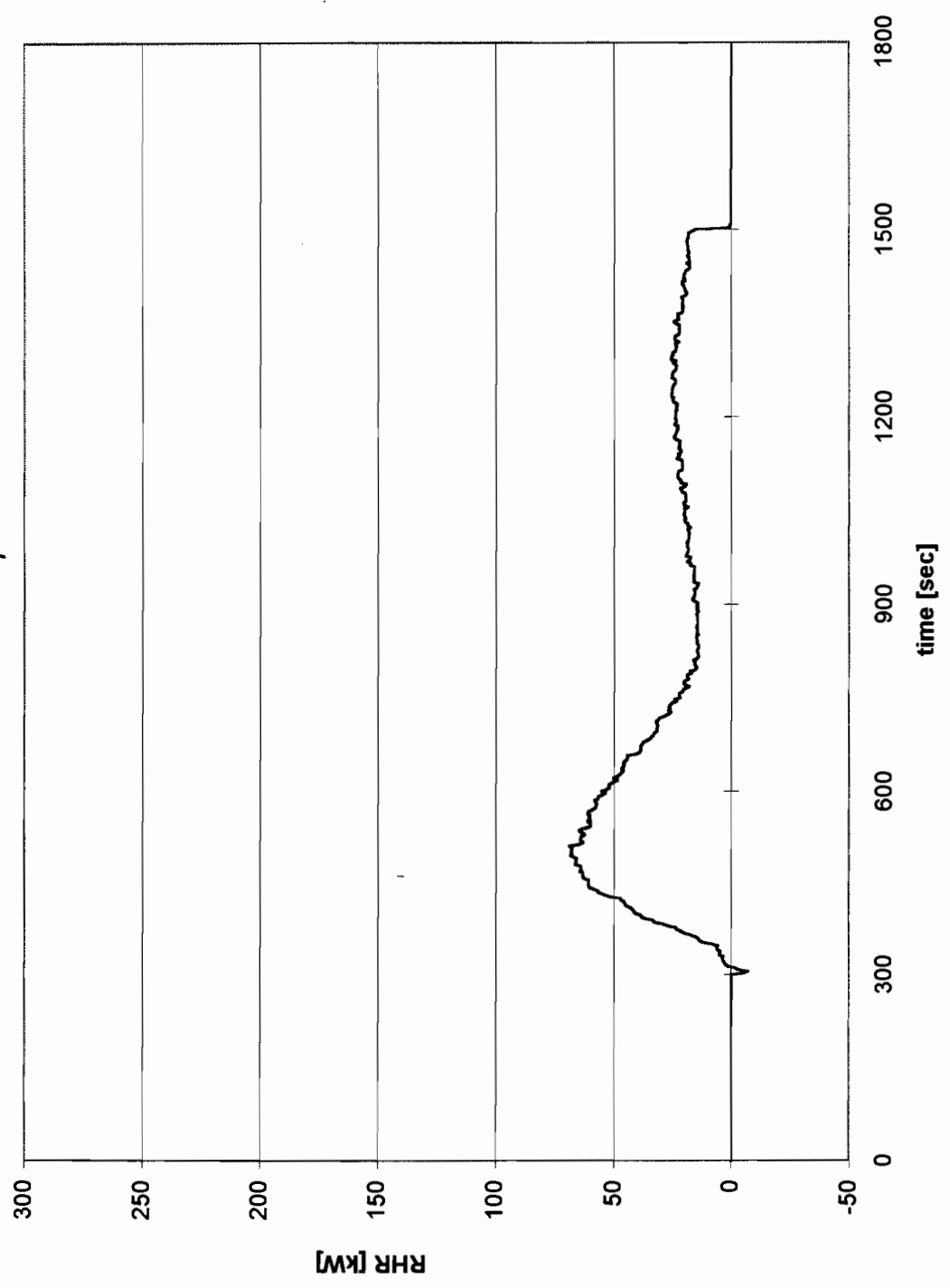
3

26.08.97

v 4.1; 4 July '97



### RHR sample



L04

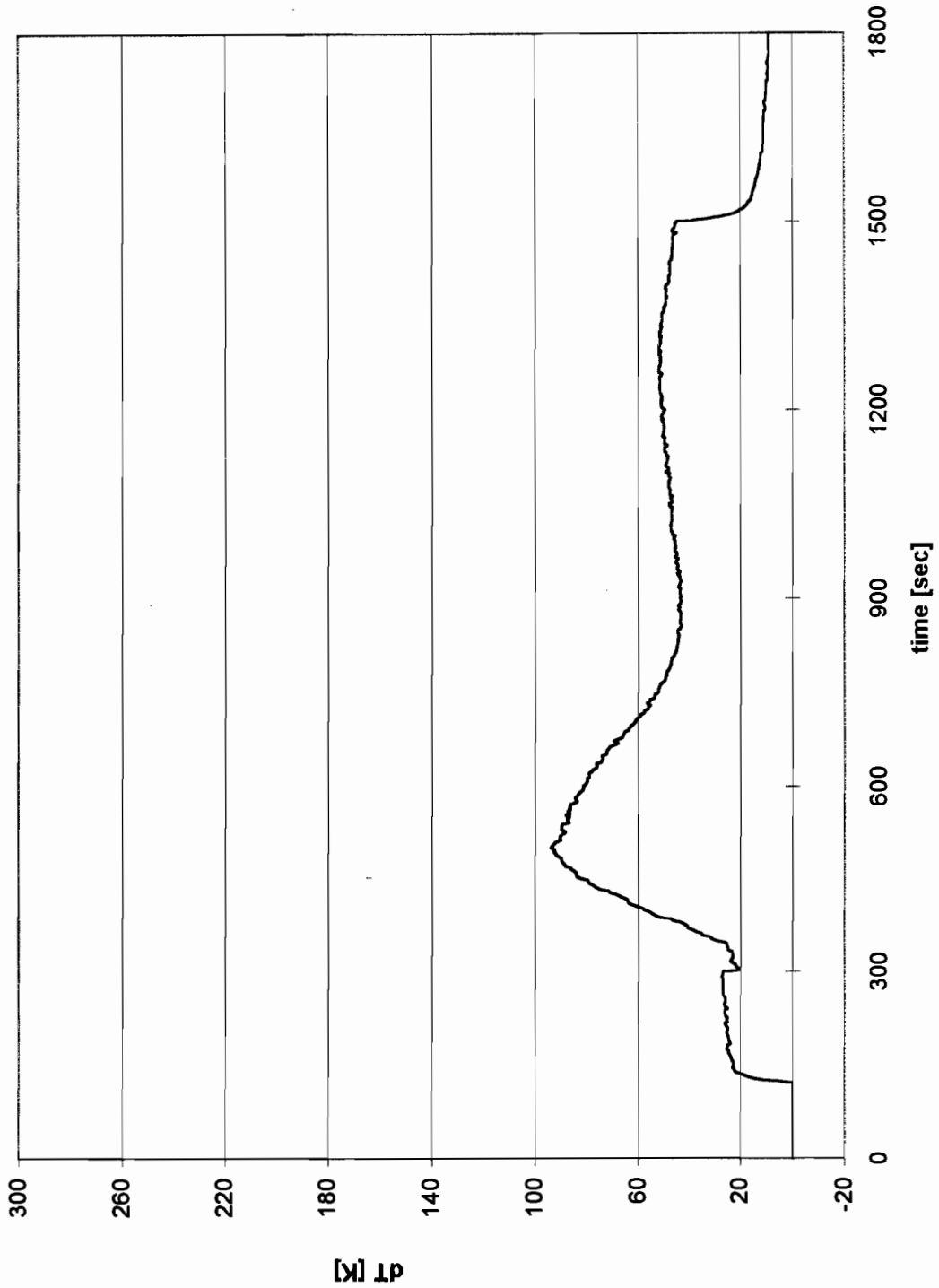
M20

1

25.08.97

v 4.1; 4 July '97

### Temperature rise



L04

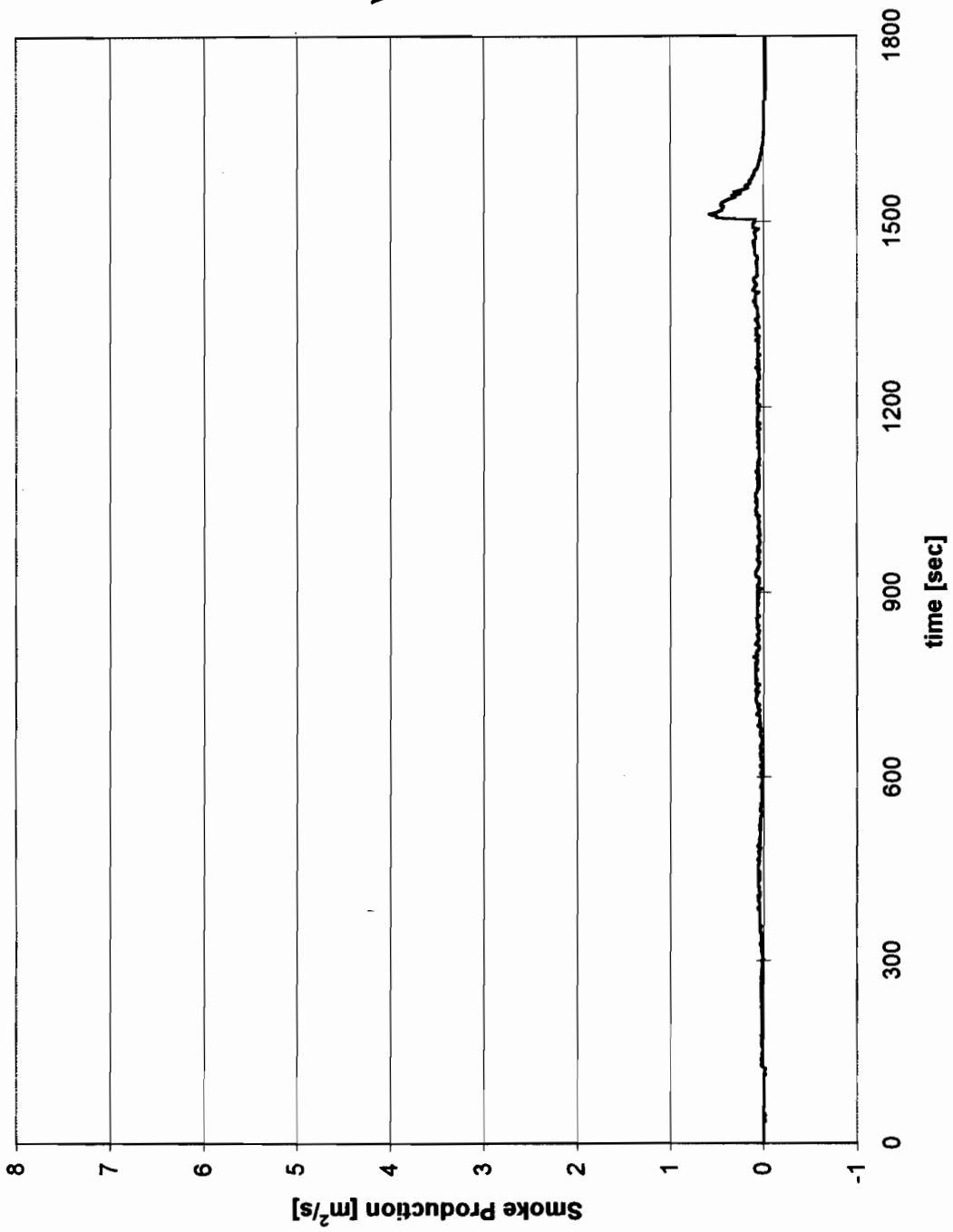
M20

1

25.08.97

v 4.1; 4 July '97

# Smoke Production



L04

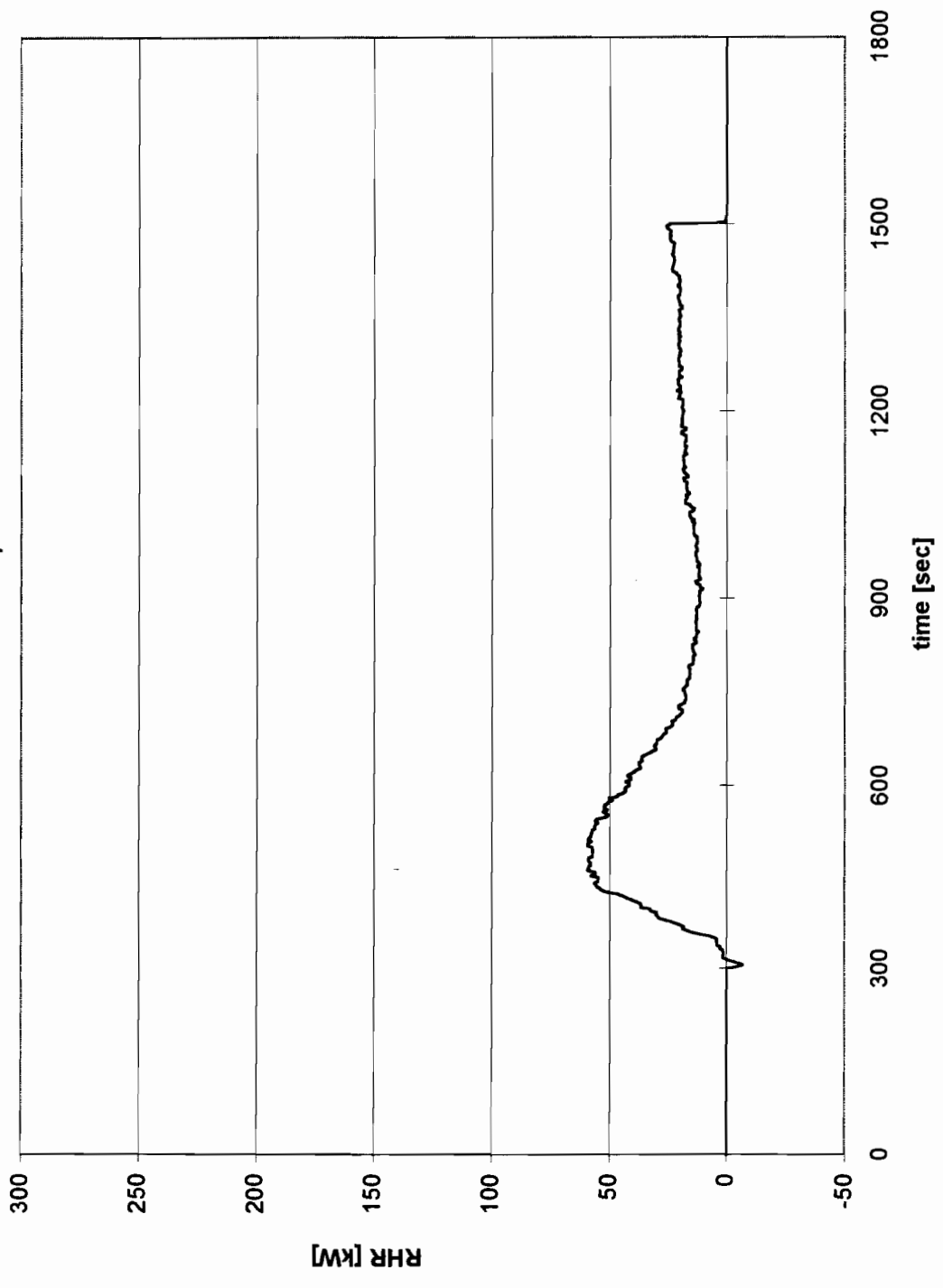
M20

1

25.08.97

v 4.1; 4 July '97

*RHR sample*



L04

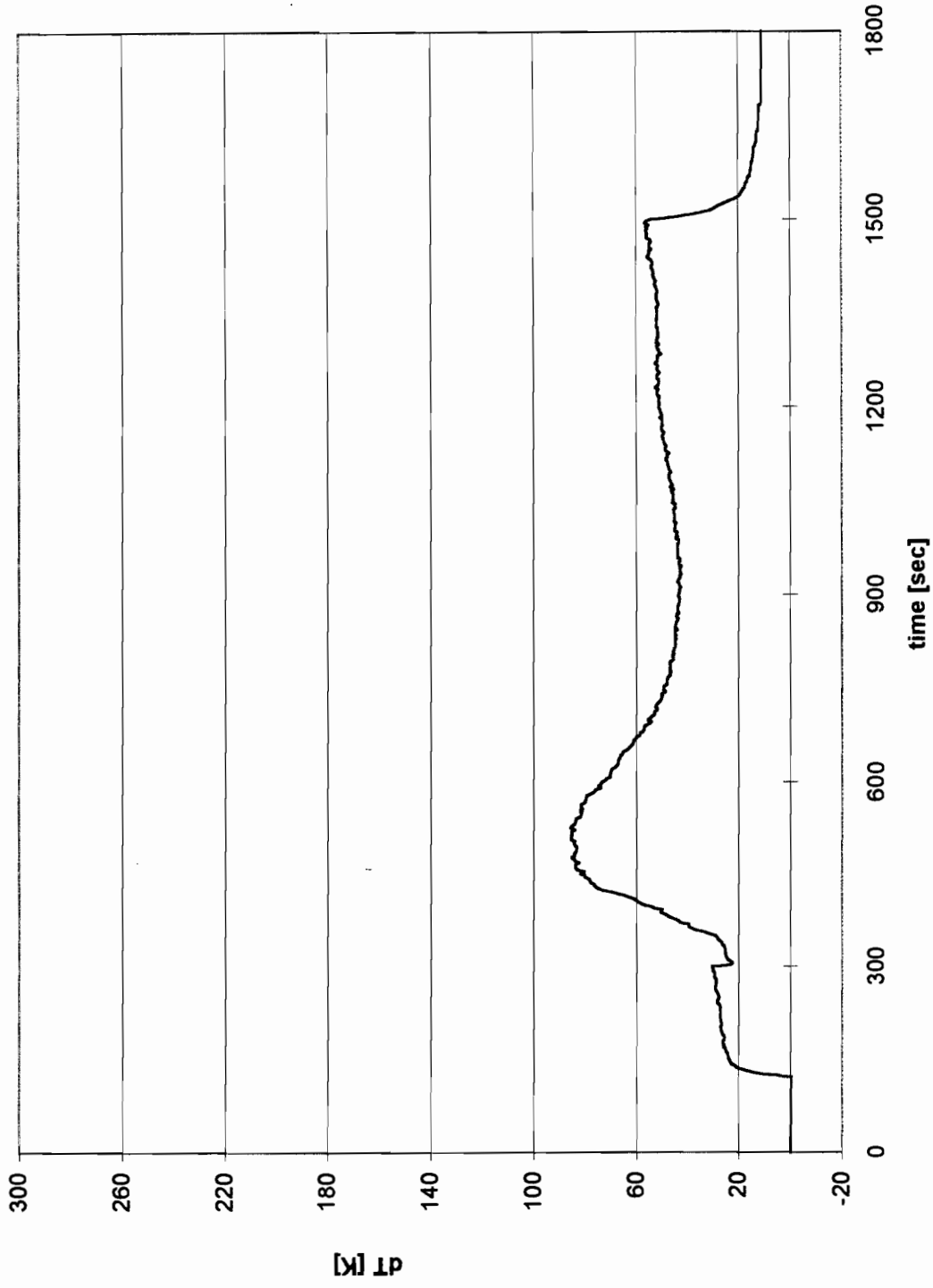
M20

2

26.08.97

v 4.1; 4 July '97

### Temperature rise



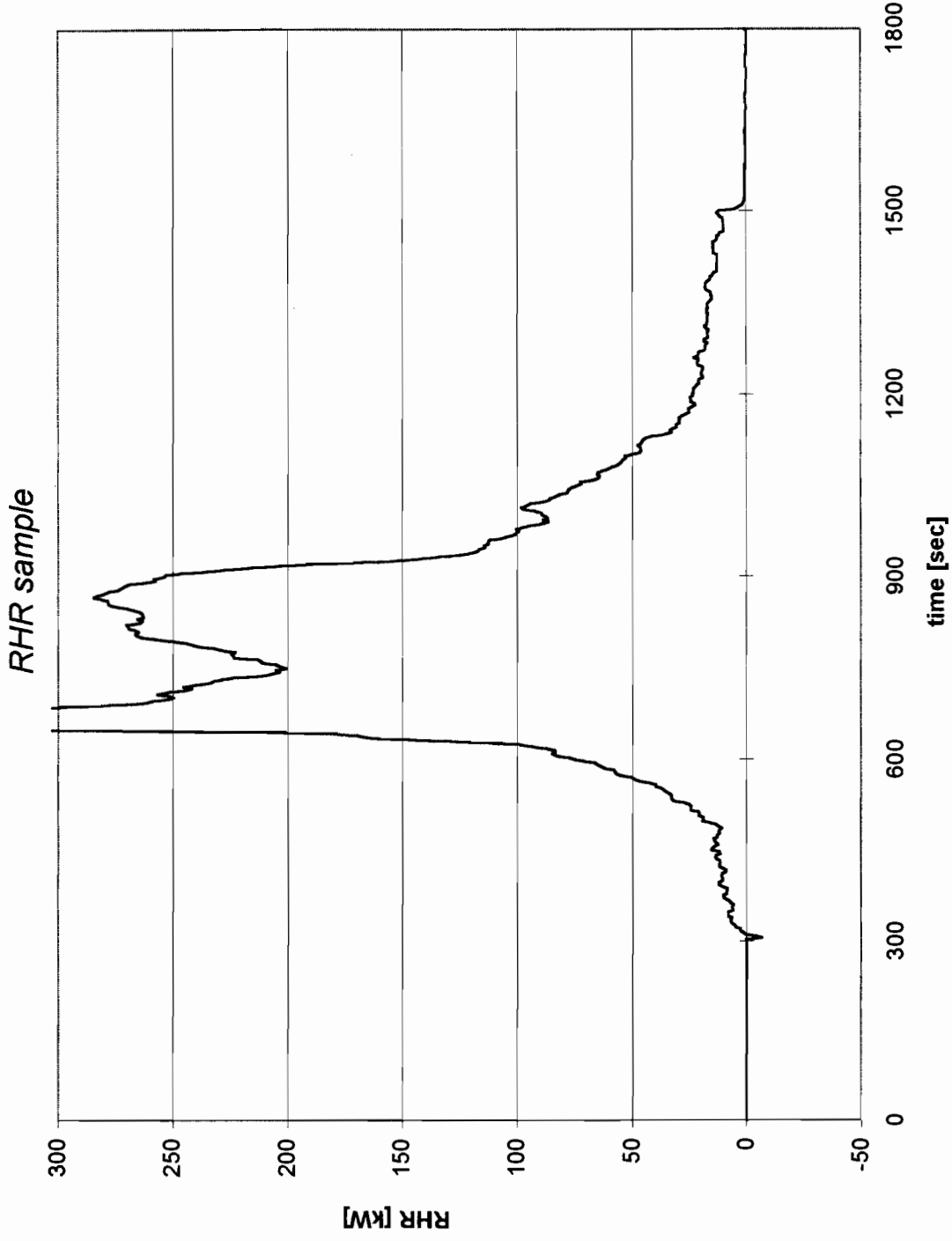
L04

M20

2

26.08.97

v 4.1; 4 July '97



L04

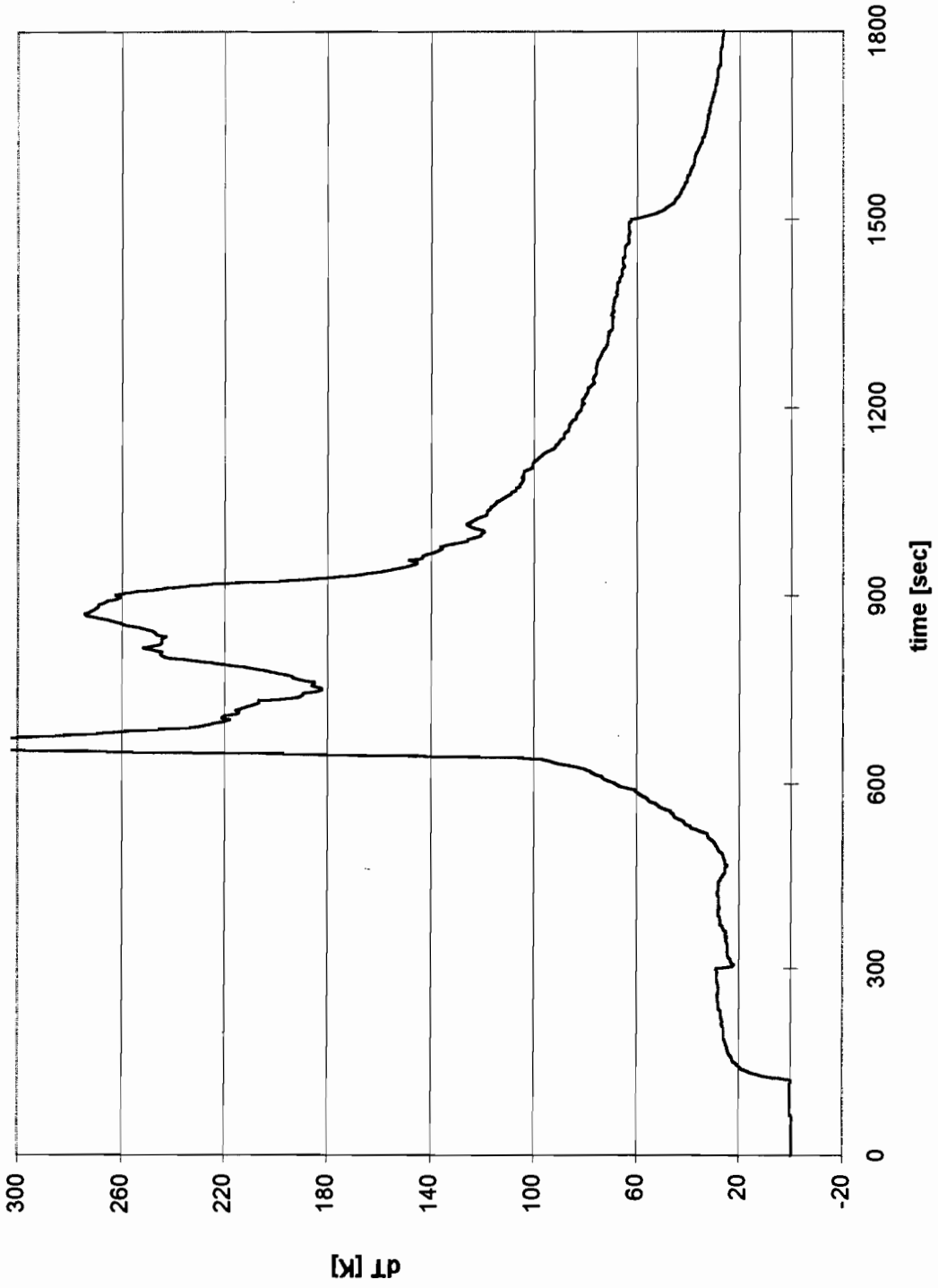
M21

1

10.09.97

v 4.1; 4 July '97

### Temperature rise



L04

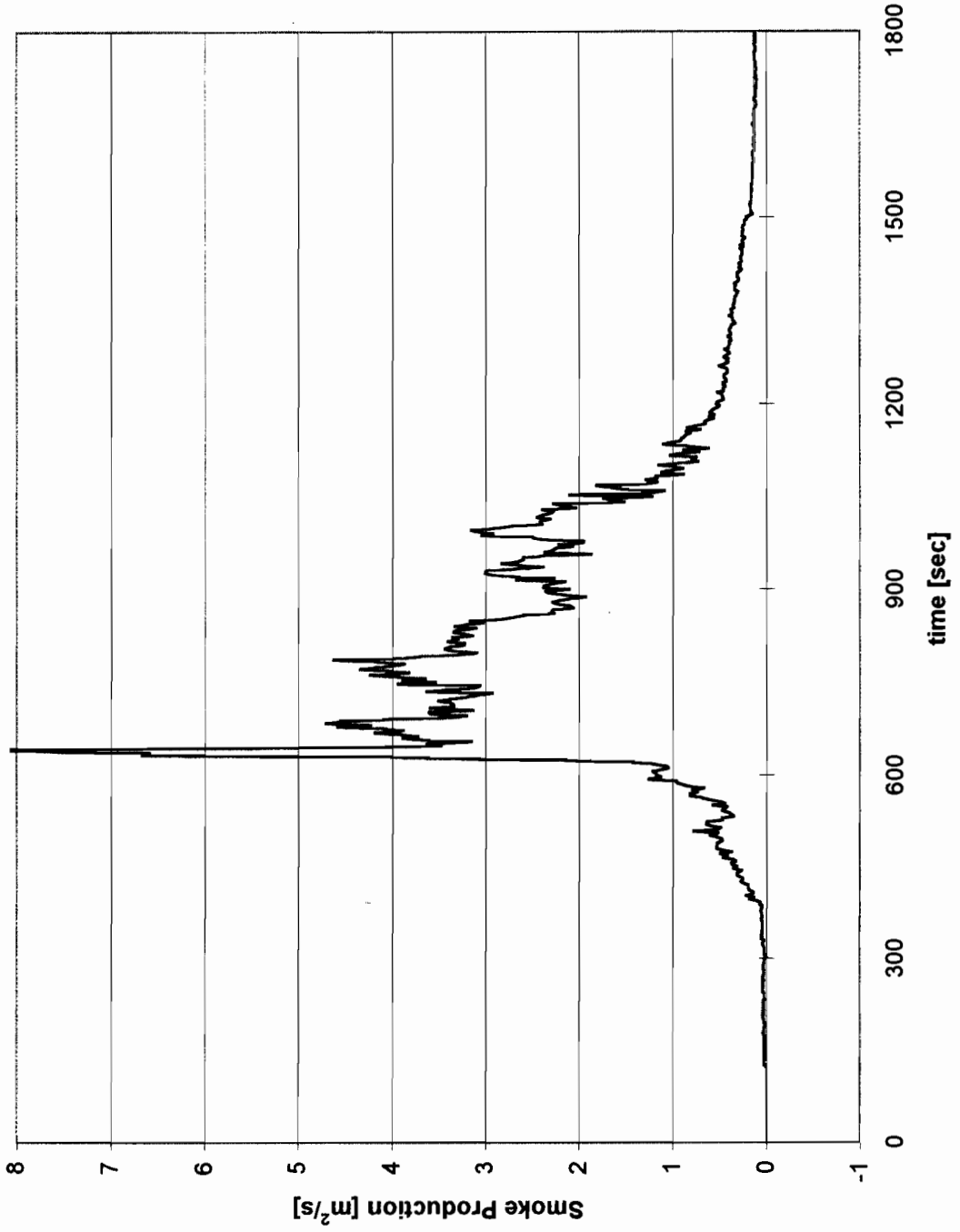
M21

1

10.09.97

v 4.1; 4 July '97

# Smoke Production



L04

M21

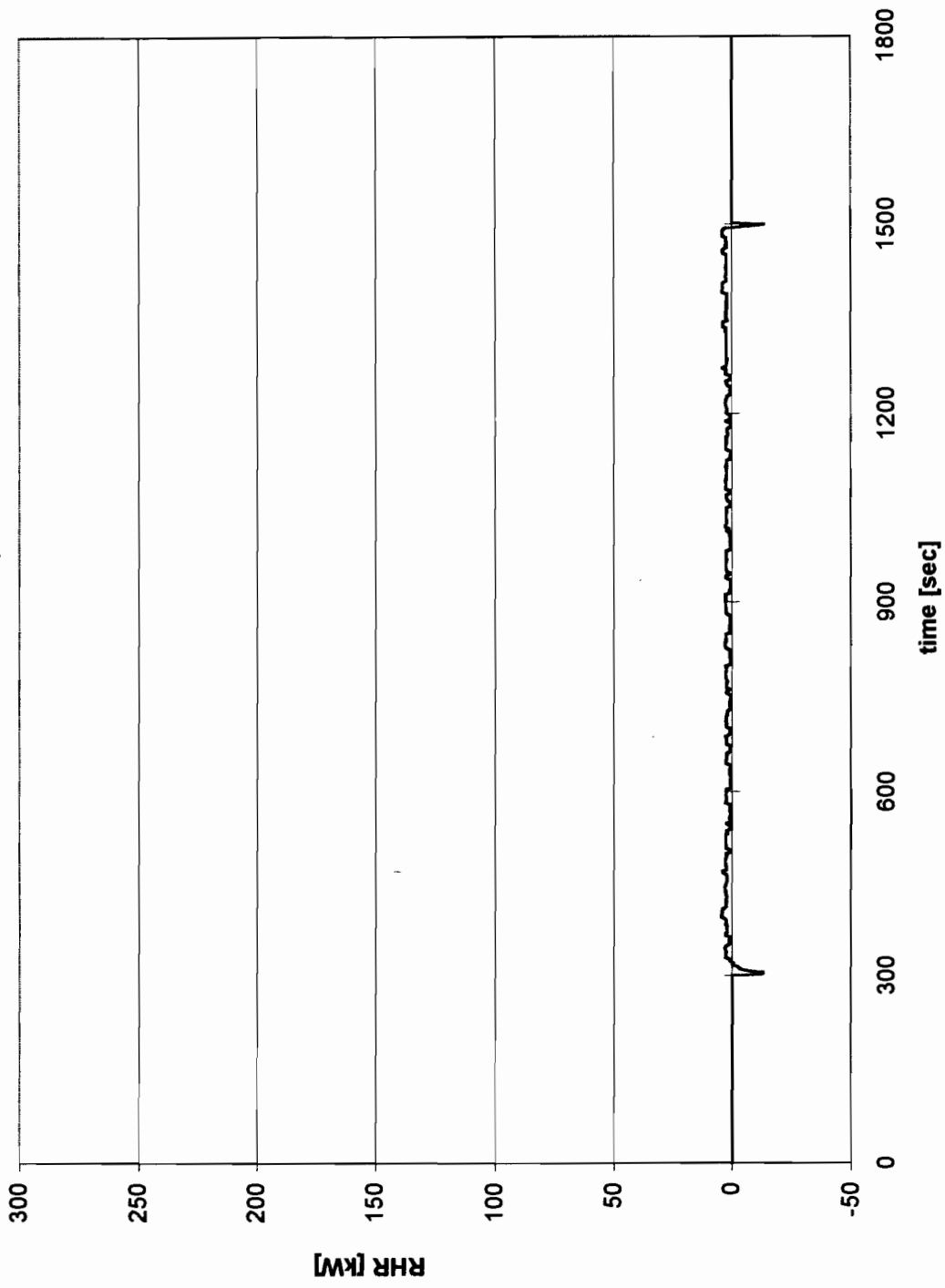
1

10.09.97

v 4.1; 4 July '97



*RHR sample*



L04

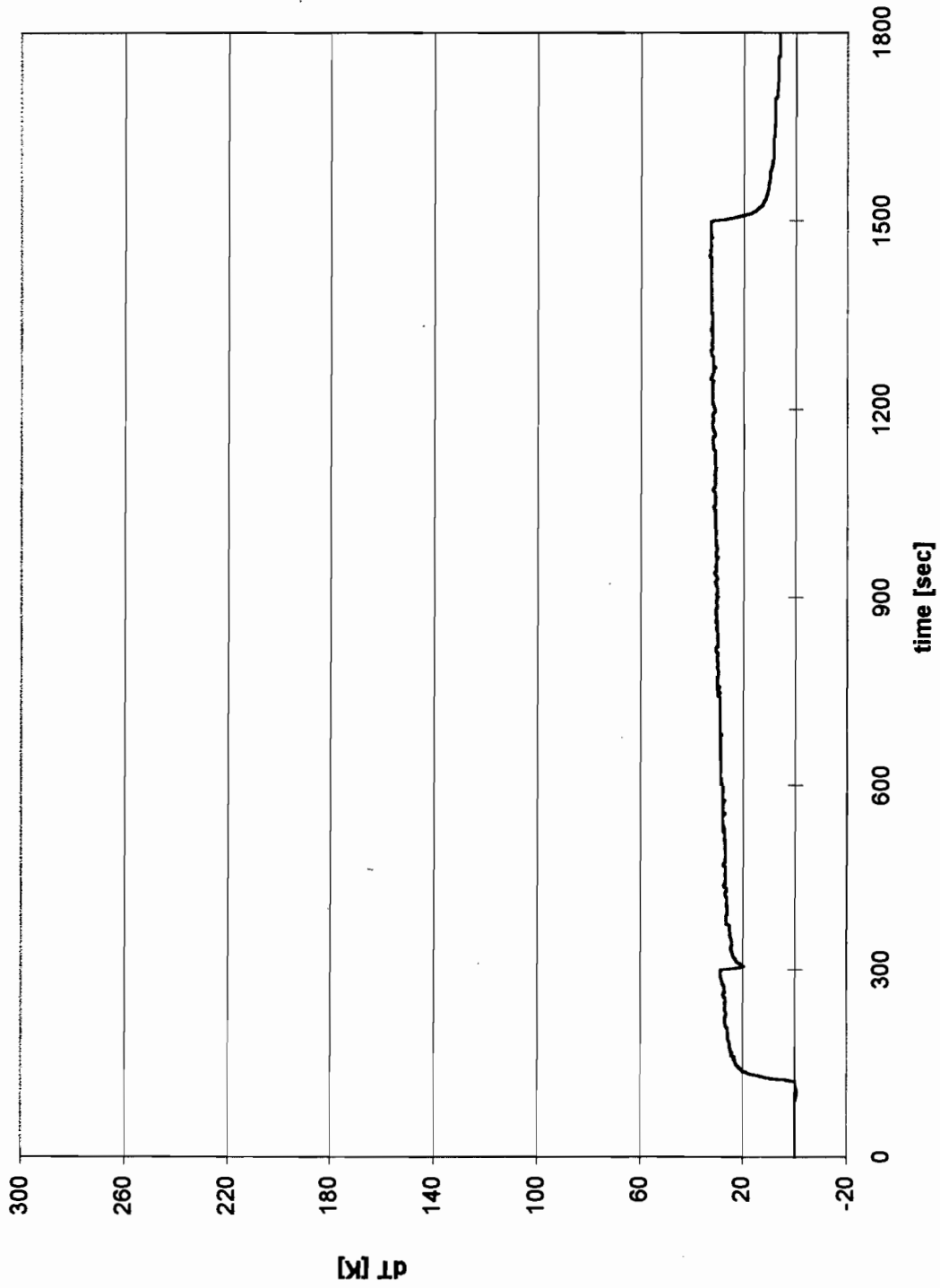
M21

2

11.09.97

v 4.1; 4 July '97

# Temperature rise



L04

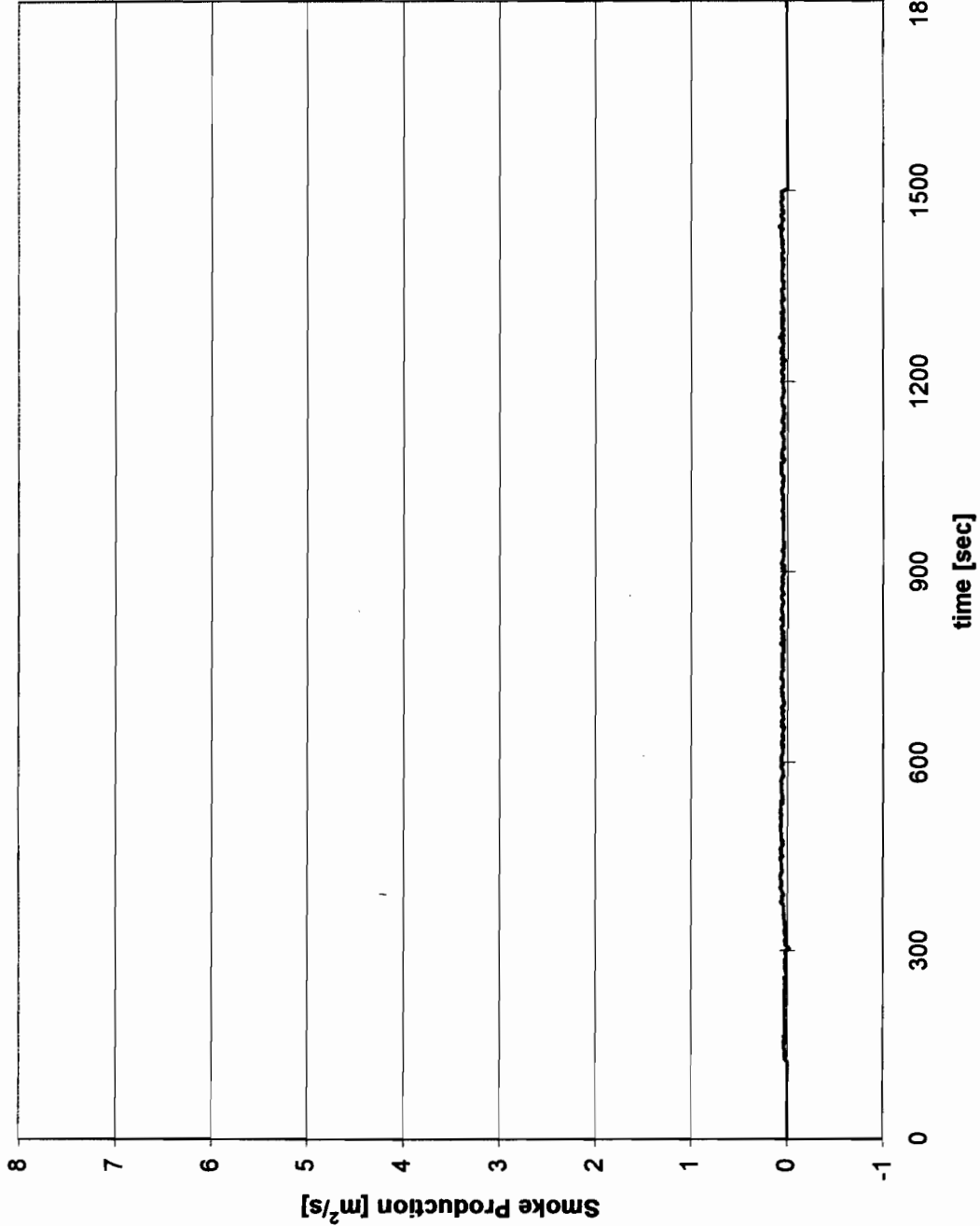
M21

2

11.09.97

v 4.1; 4 July '97

# Smoke Production



L04

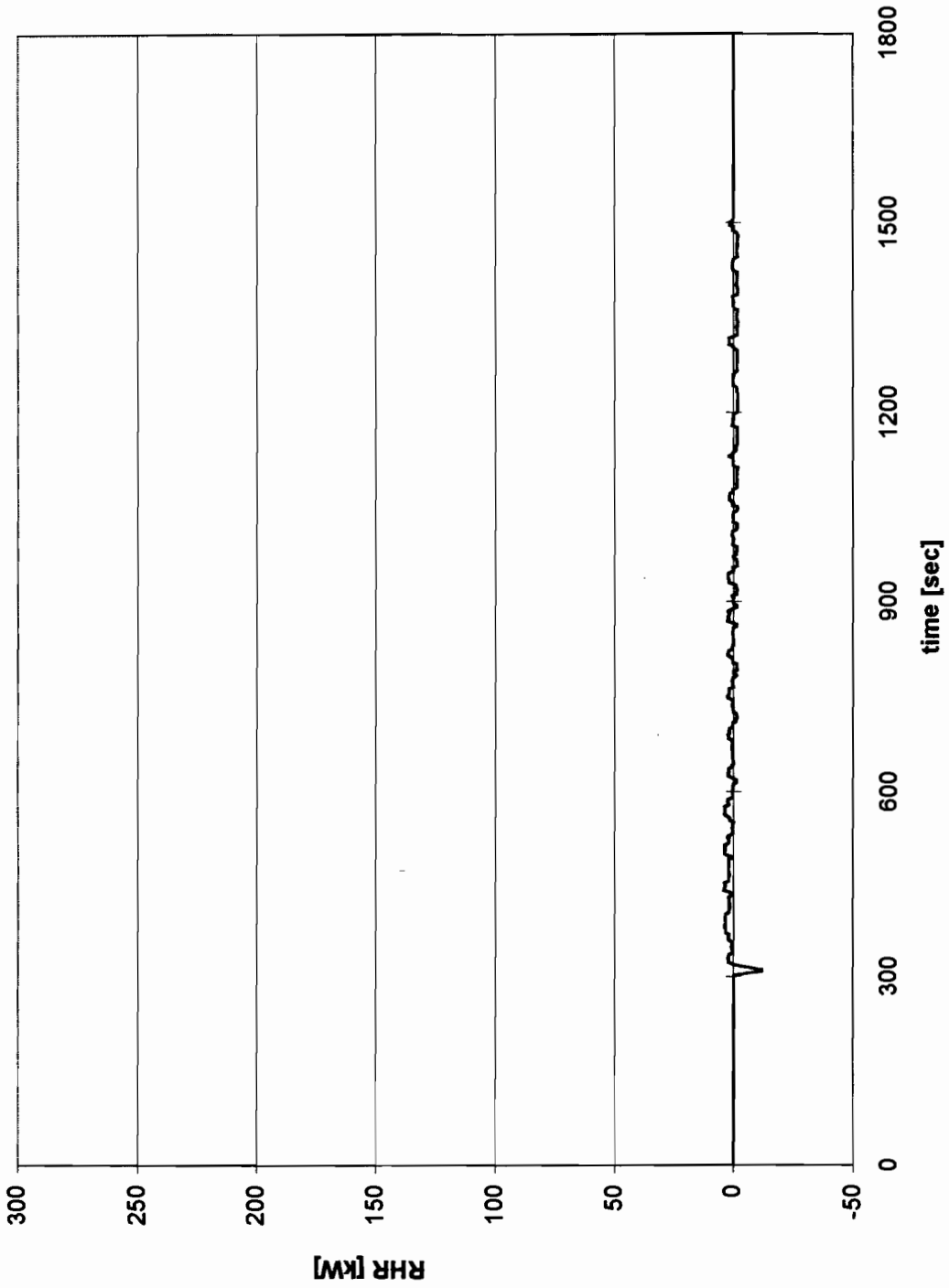
M21

2

11.09.97

v 4.1; 4 July '97

### RHR sample



L04

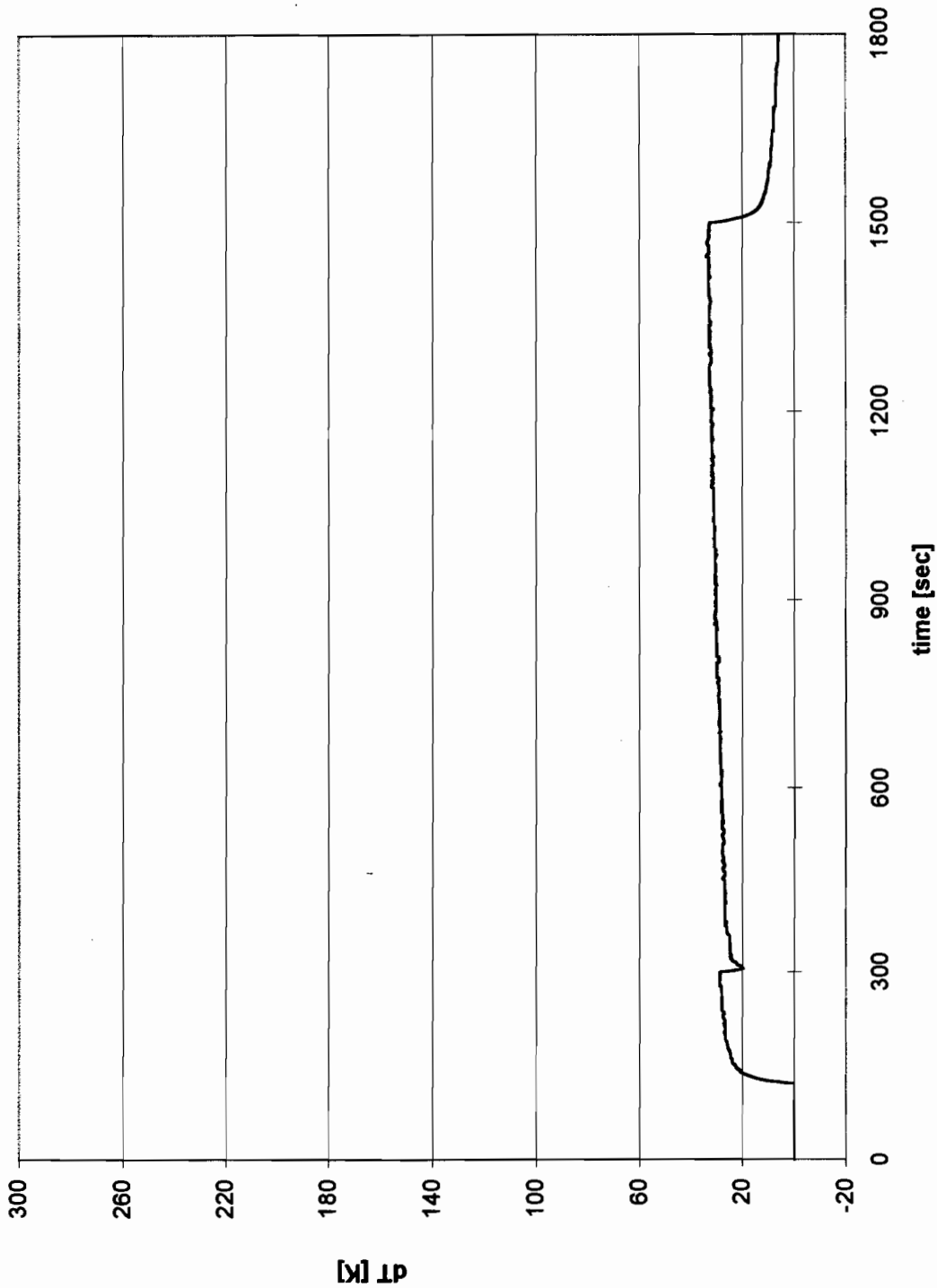
M21

3

12.09.97

v 4.1; 4 July '97

*Temperature rise*



L04

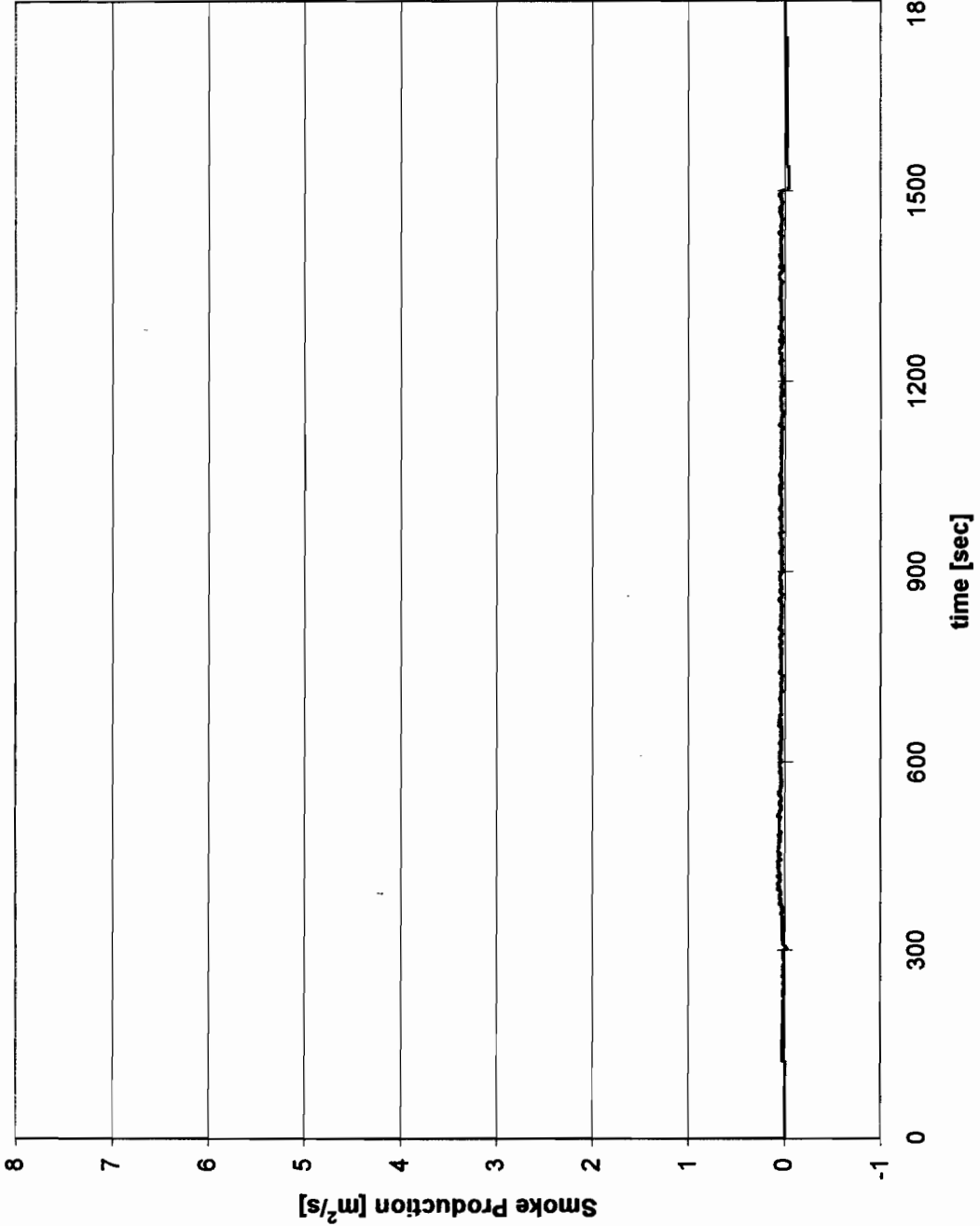
M21

3

12.09.97

v 4.1; 4 July '97

# Smoke Production



L04

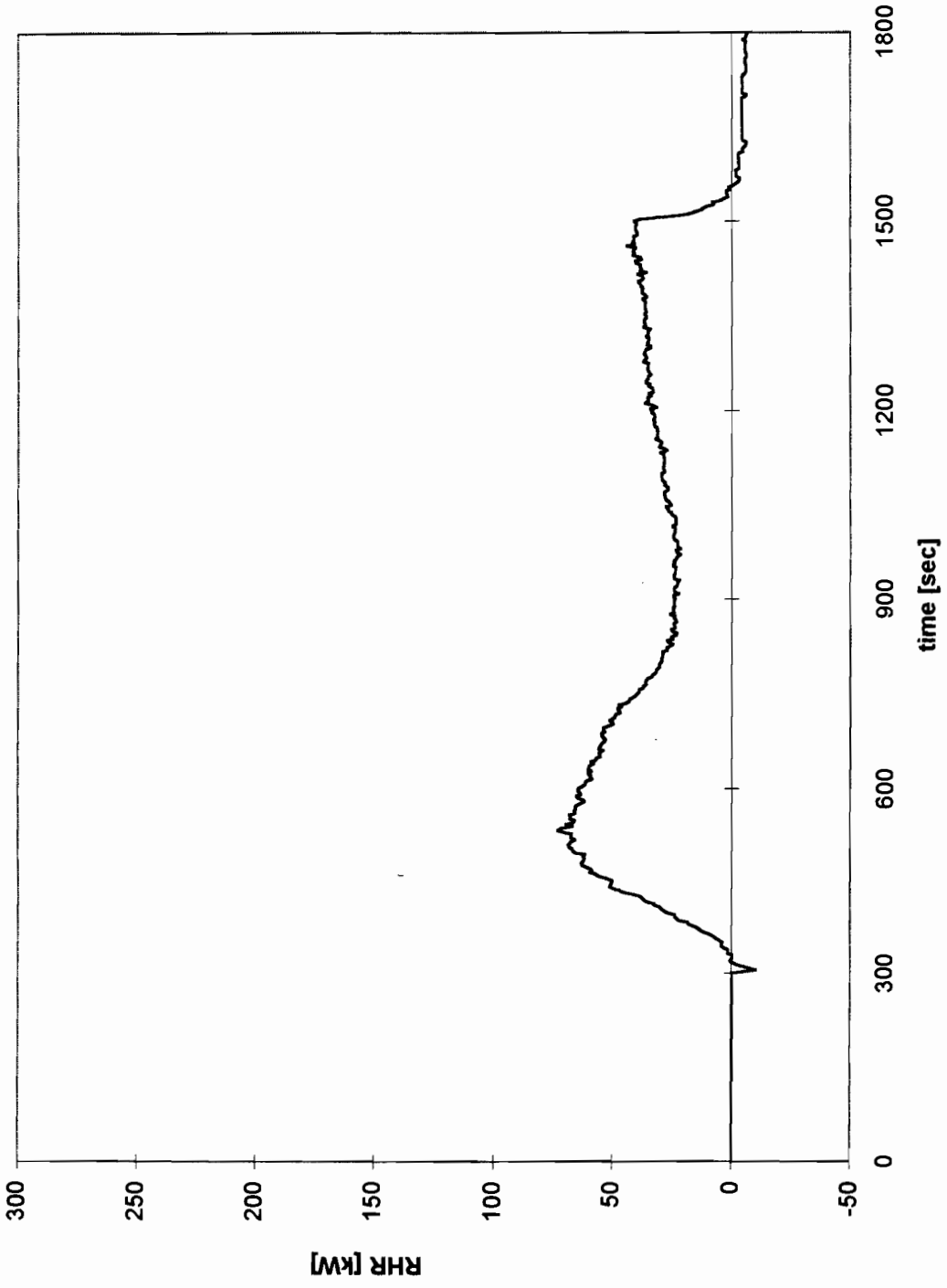
M21

3

12.09.97

v 4.1; 4 July '97

*RHR sample*



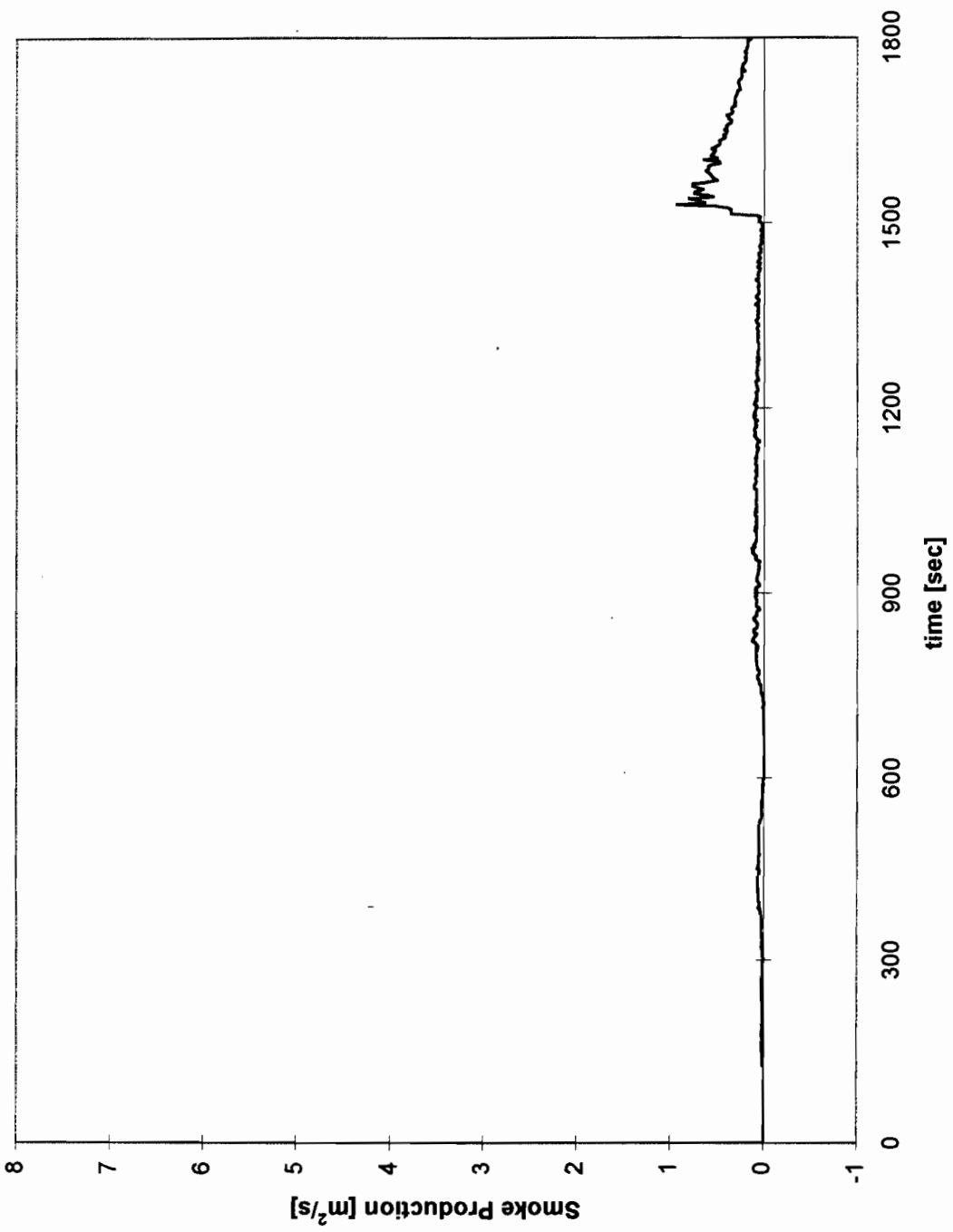
L04

M22

6

17.07.97

### Smoke Production



L04

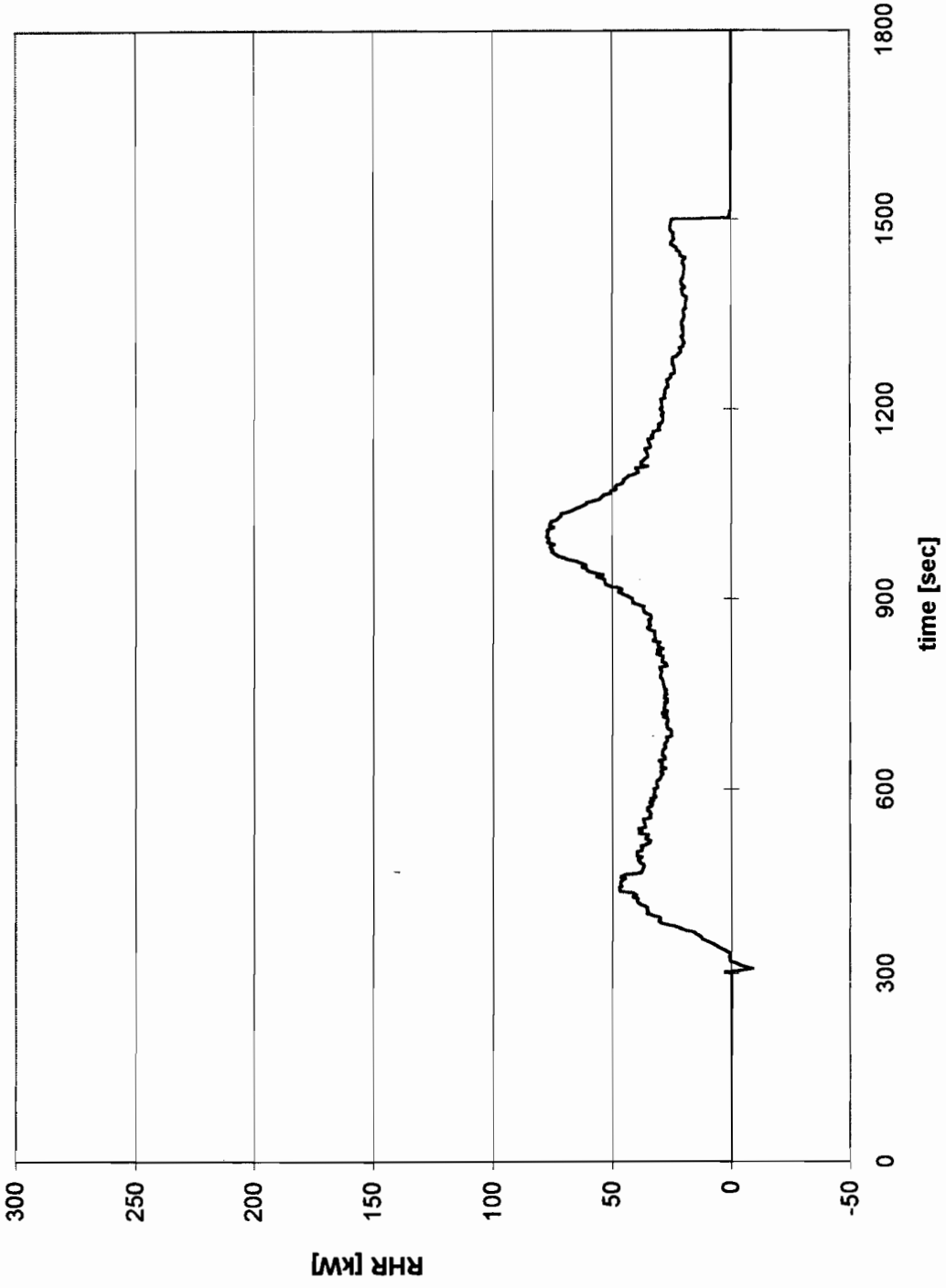
M22

6

17.07.97



### RHR sample



L04

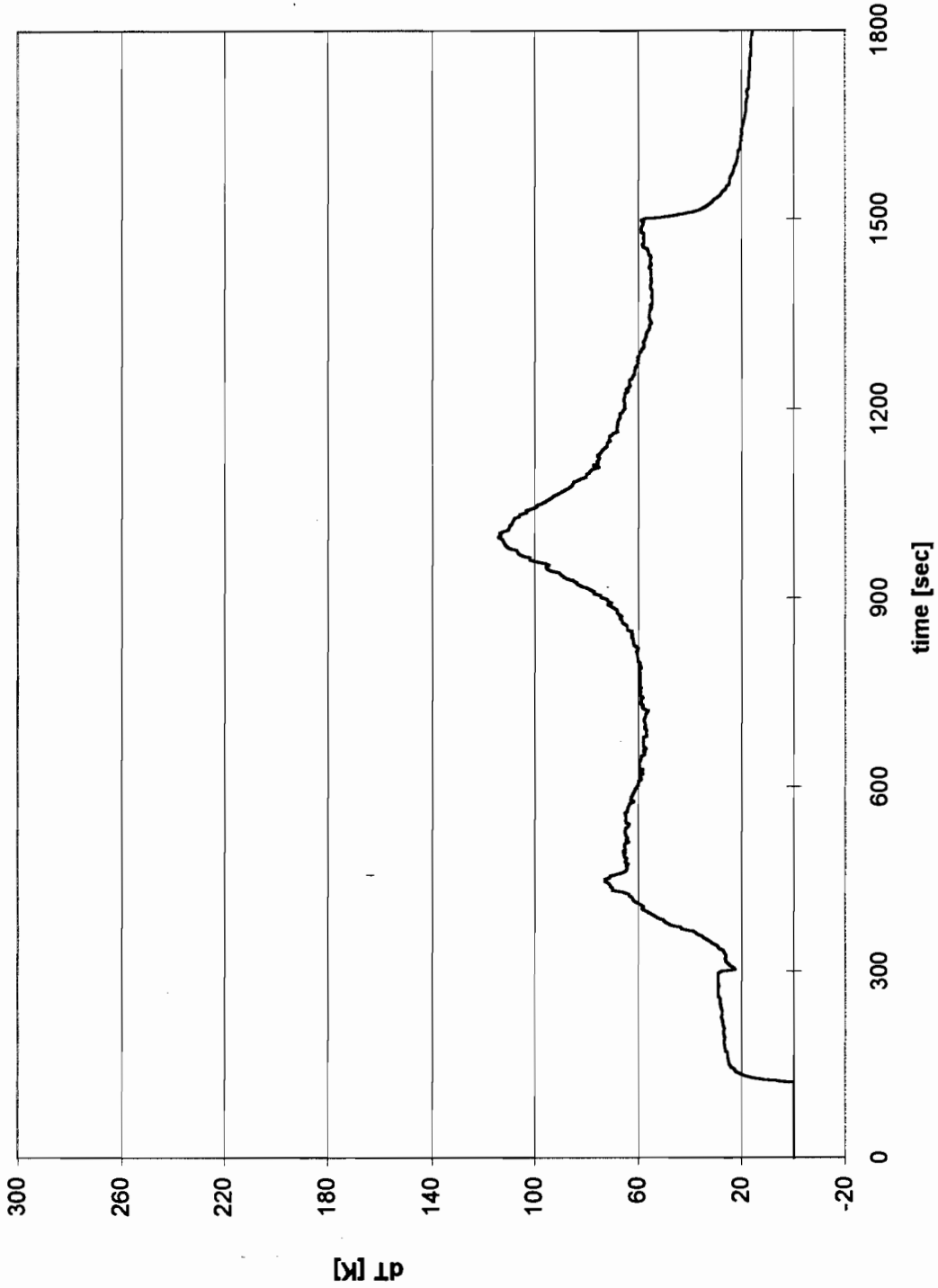
M23

1

06.08.97

v 4.1; 4 July '97

### Temperature rise



L04

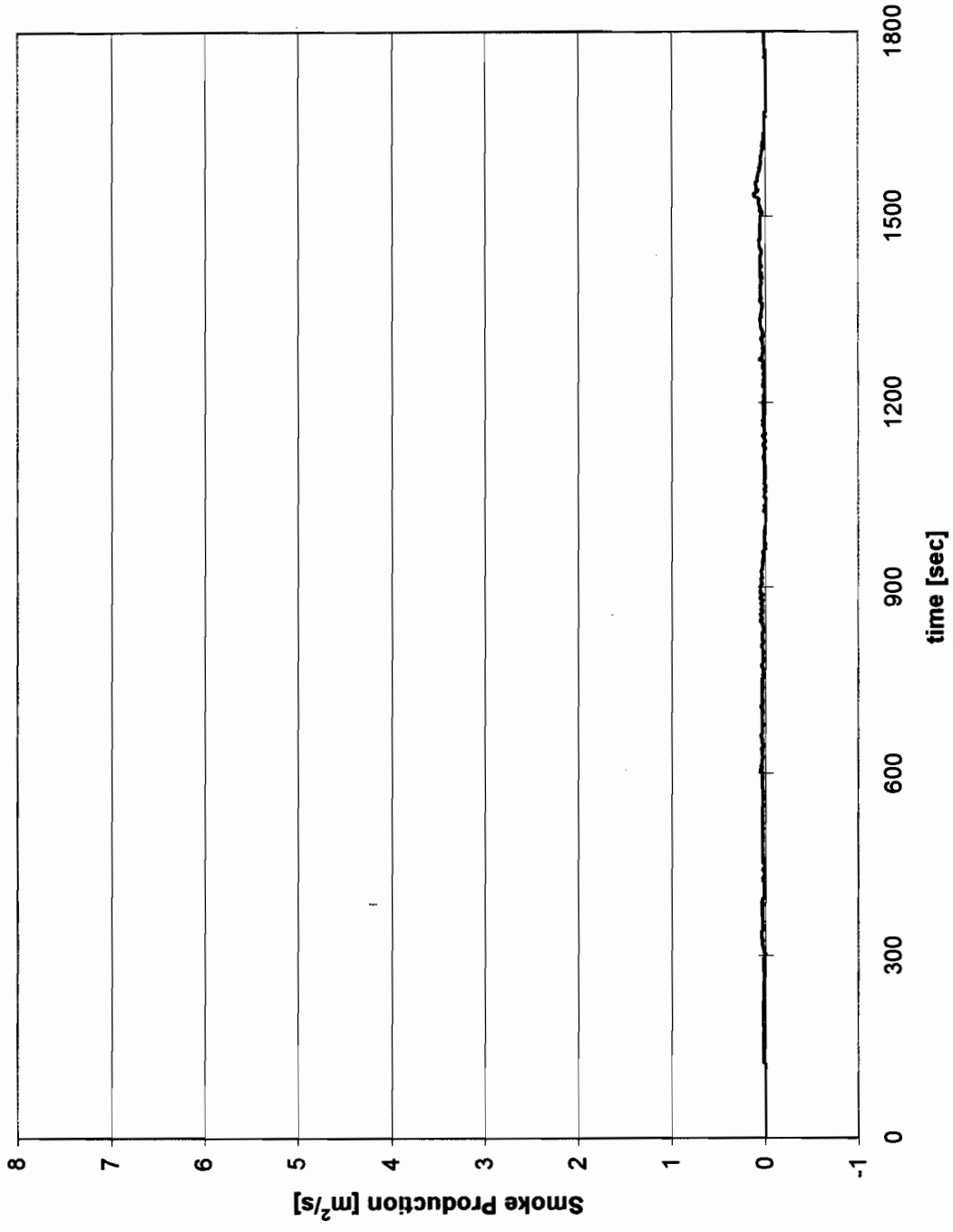
M23

1

06.08.97

v 4.1; 4 July '97

# Smoke Production



L04

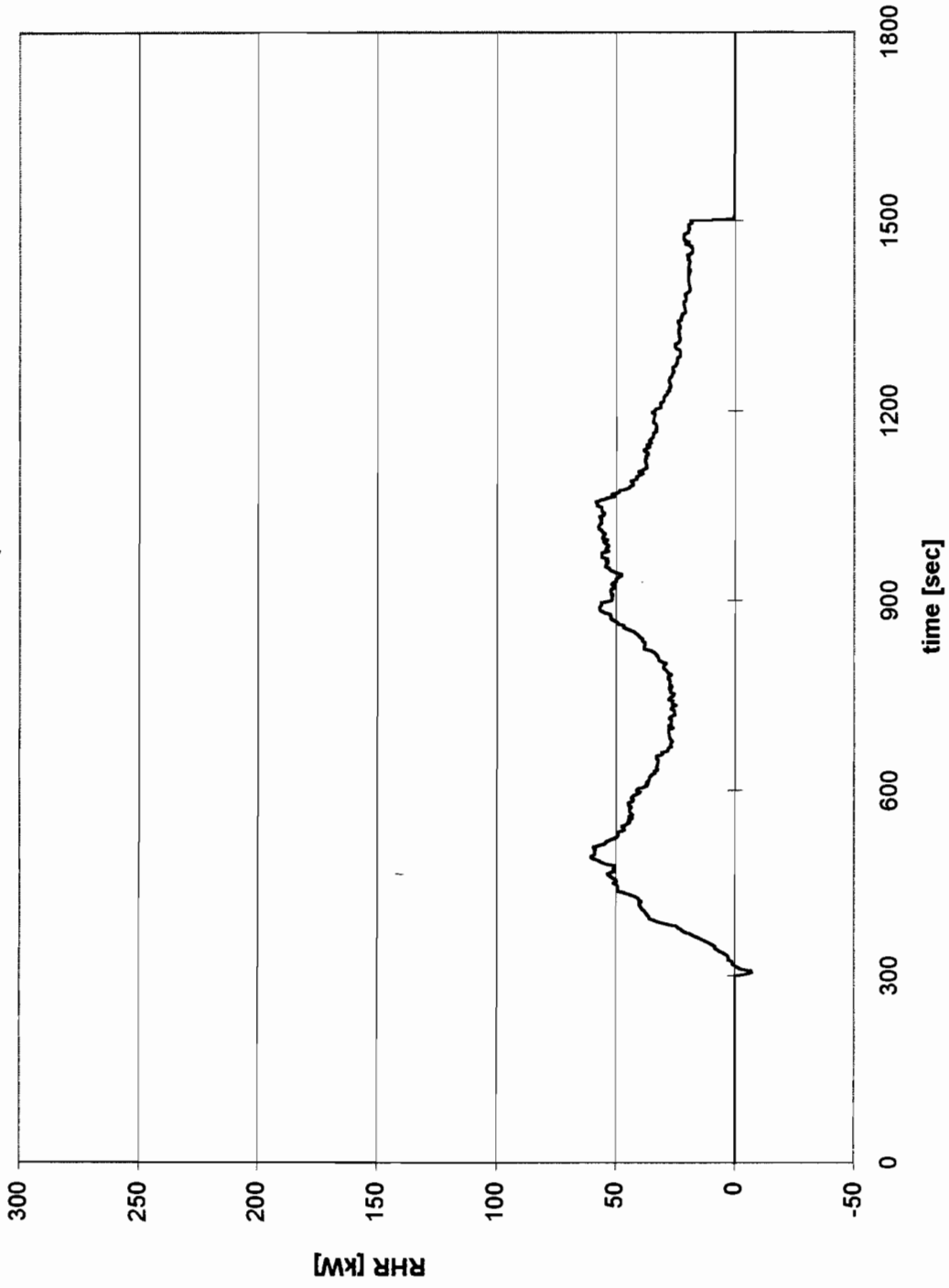
M23

1

06.08.97

v 4.1; 4 July '97

### RHR sample



L04

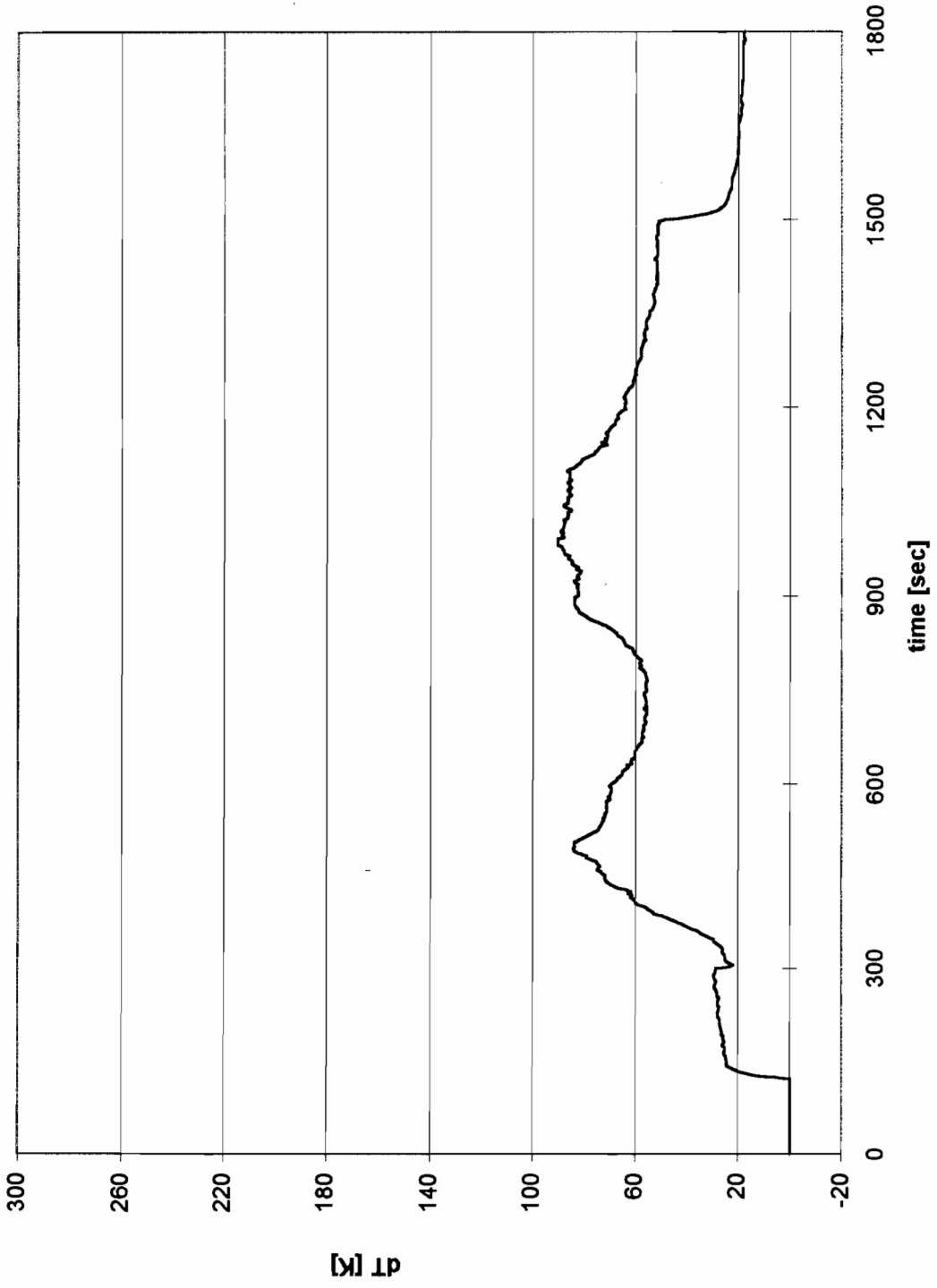
M23

2

06.08.97

v 4.1; 4 July '97

### Temperature rise



L04

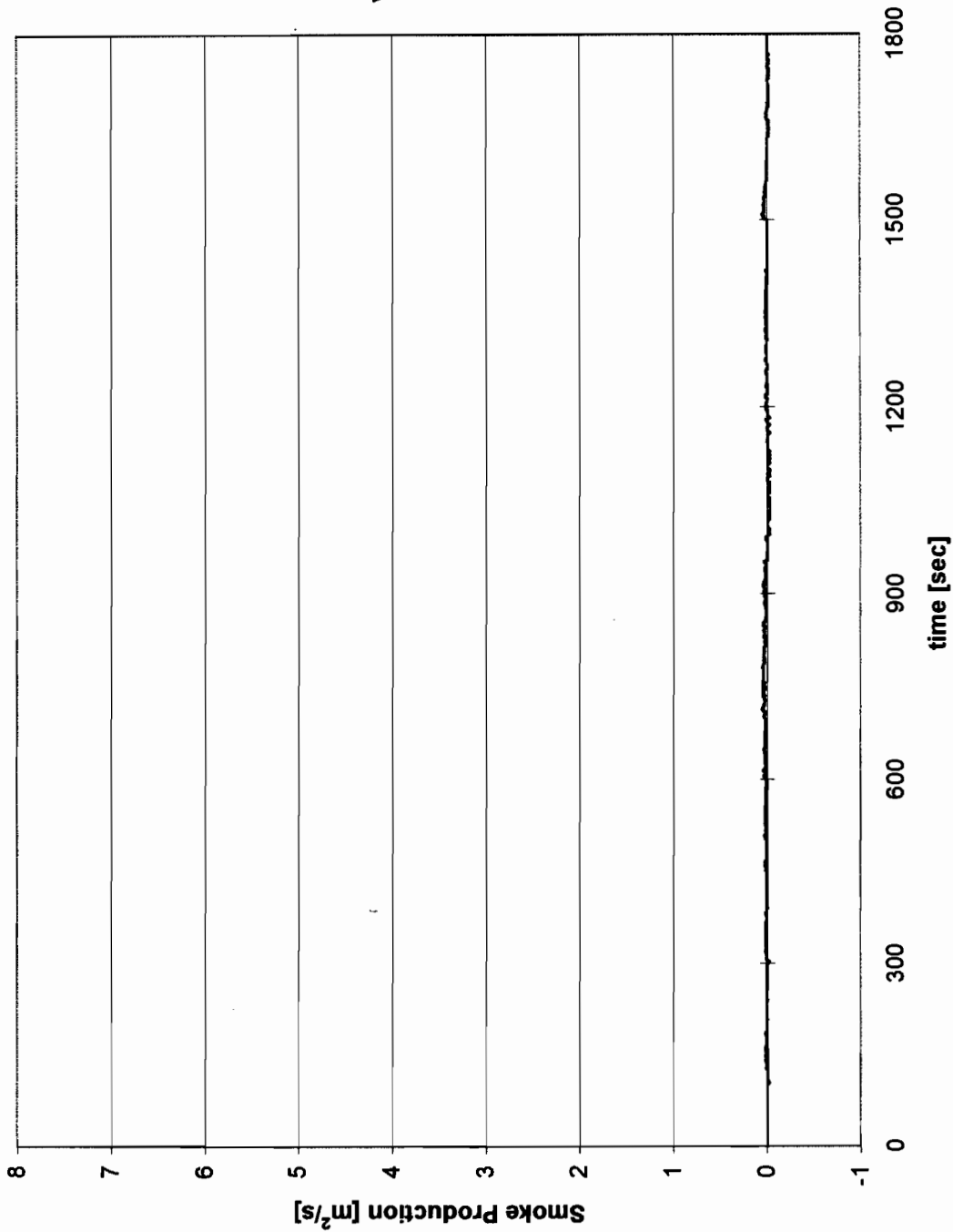
M23

2

06.08.97

v 4.1; 4 July '97

# Smoke Production



L04

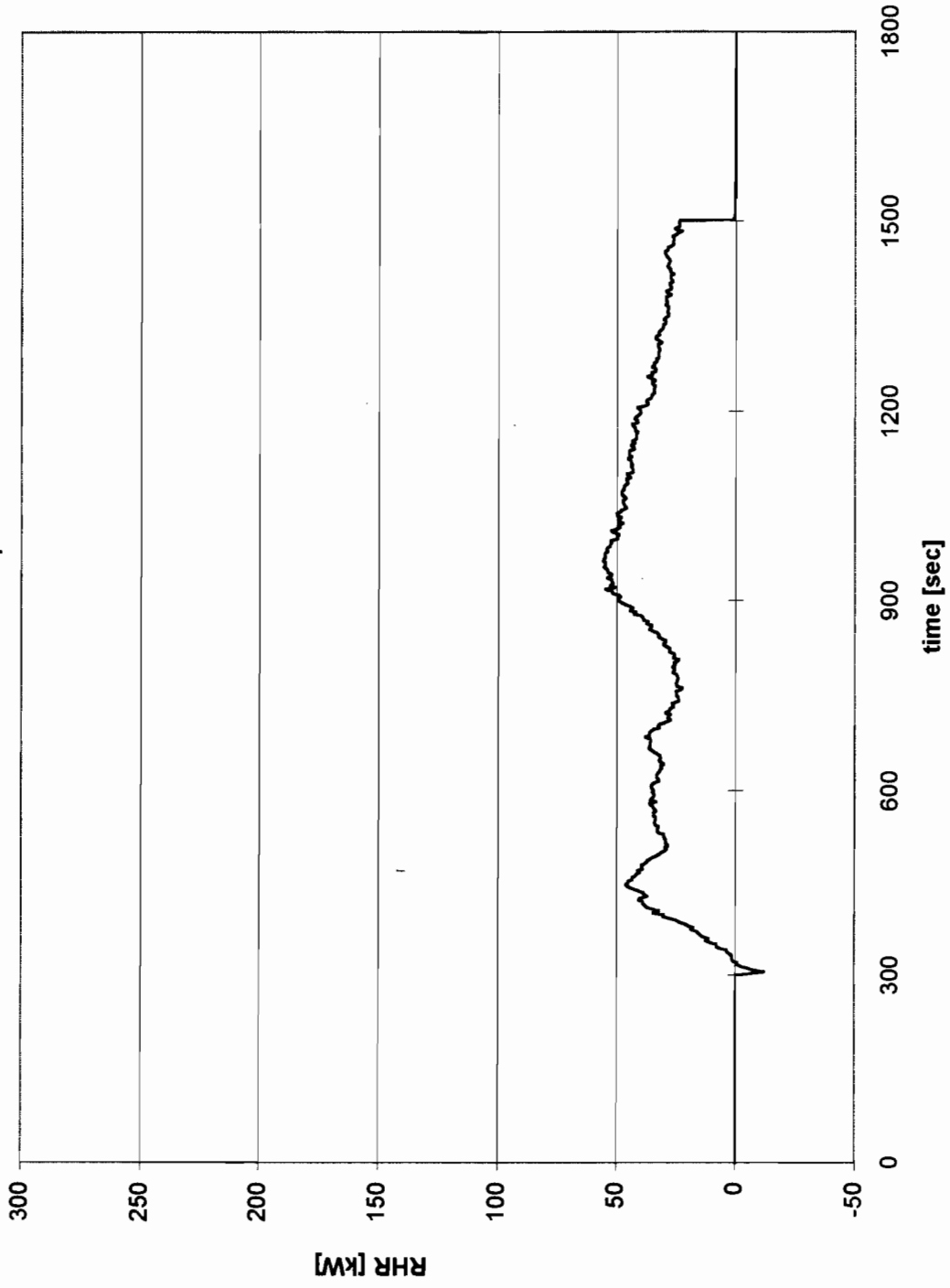
M23

2

06.08.97

v 4.1; 4 July '97

### RHR sample



L04

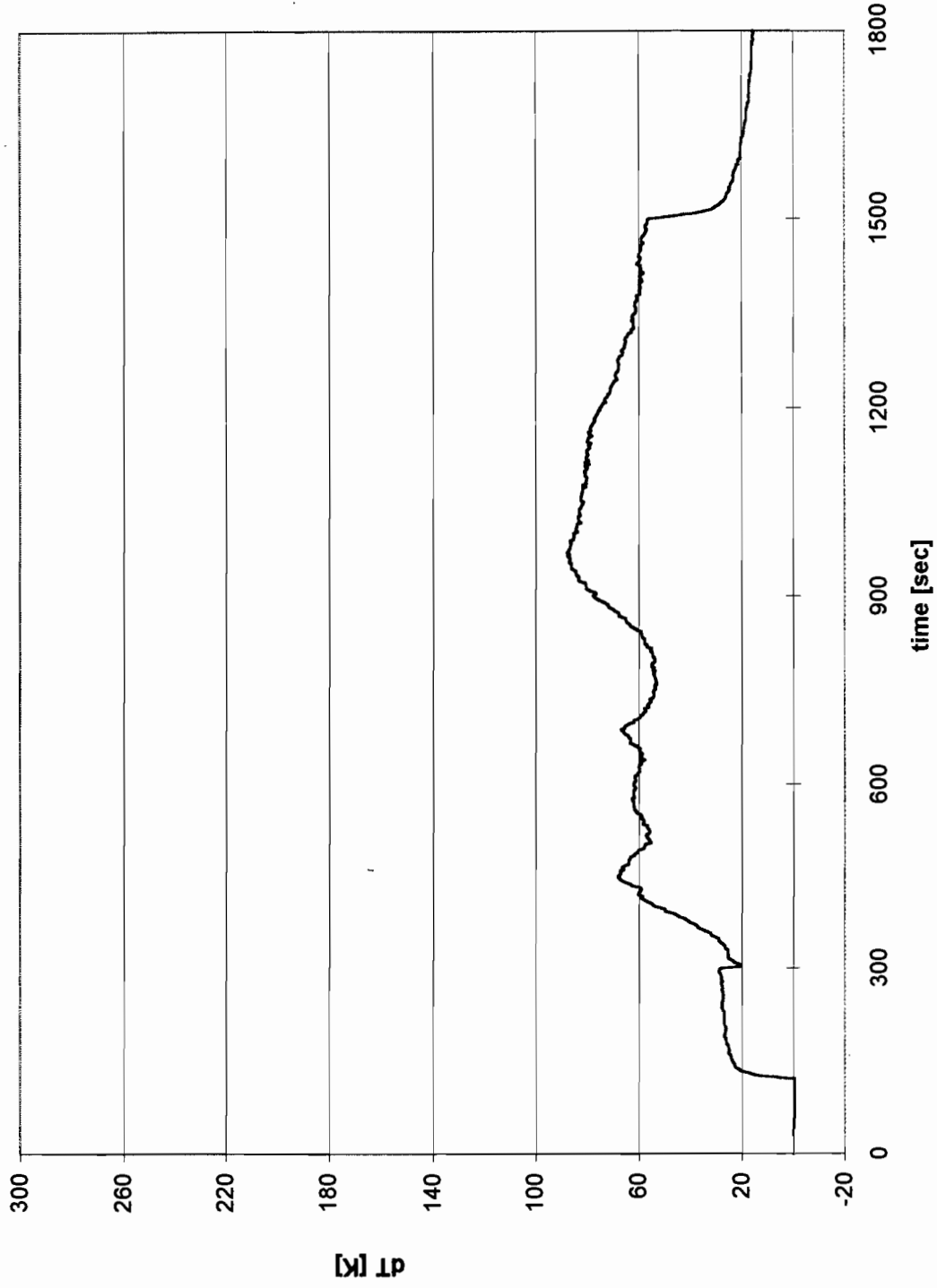
M23

3

06.08.97

v 4.1; 4 July '97

# Temperature rise



L04

M23

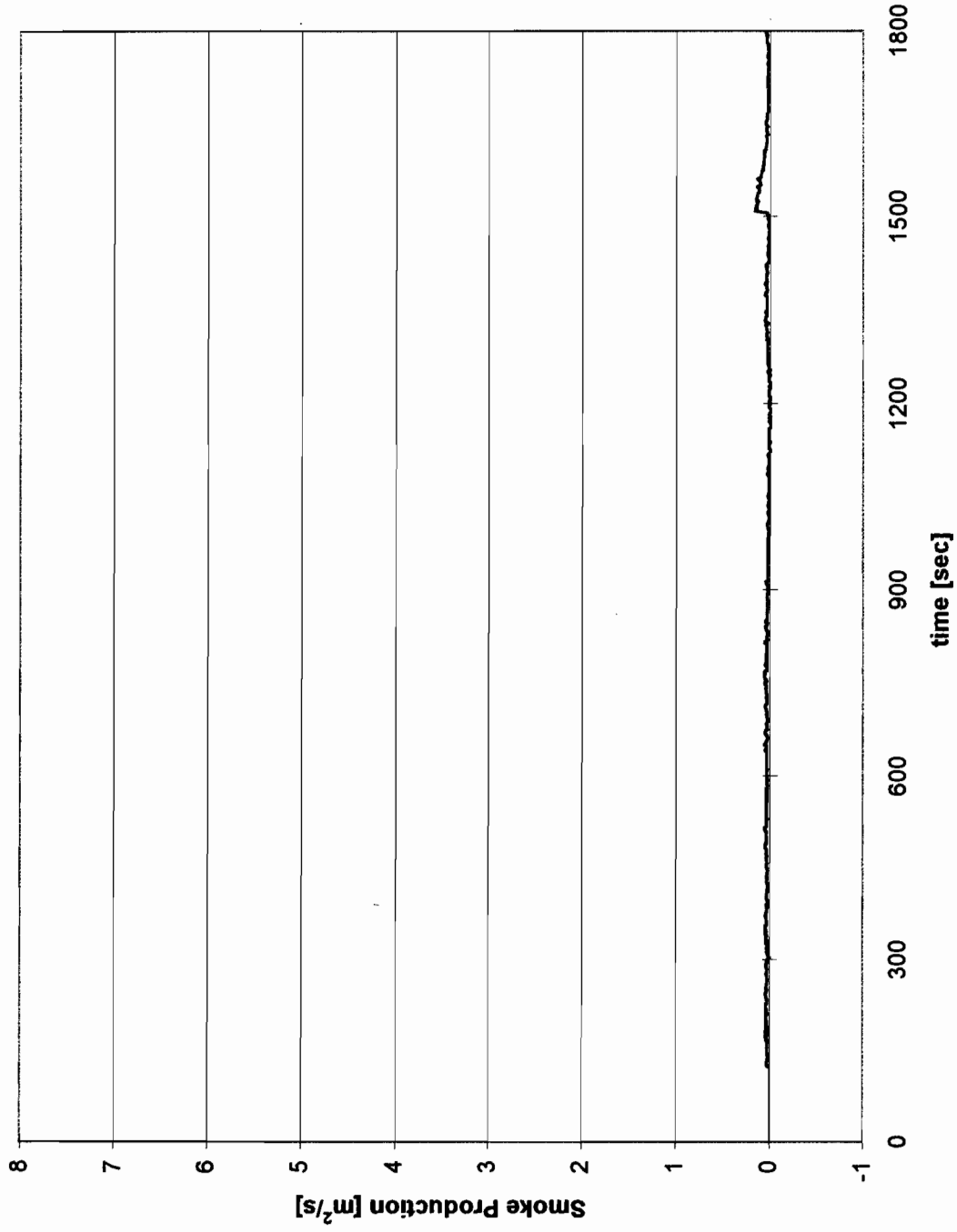
3

06.08.97

v 4.1; 4 July '97



# Smoke Production



L04

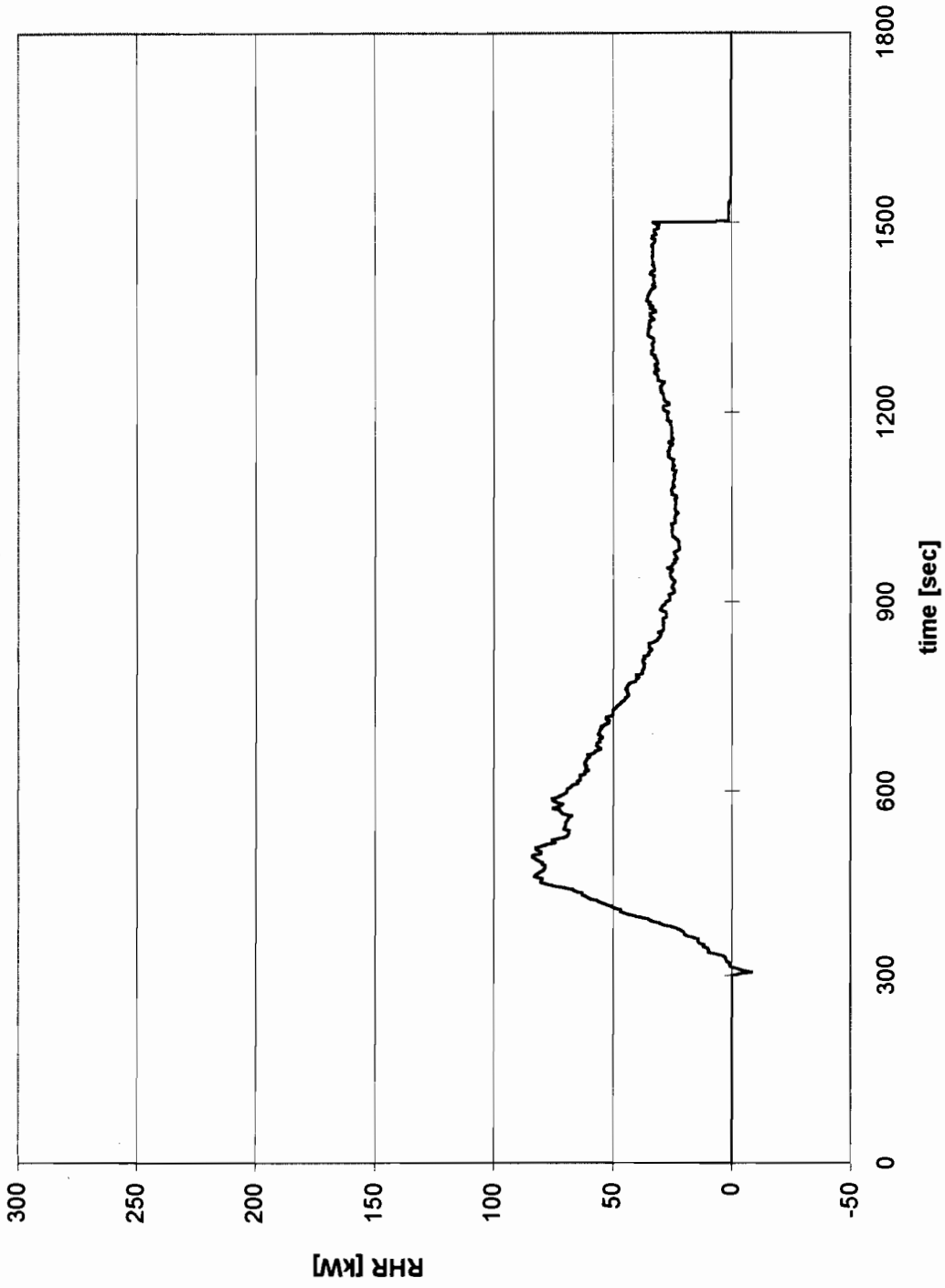
M23

3

06.08.97

v 4.1; 4 July '97

### RHR sample



L04

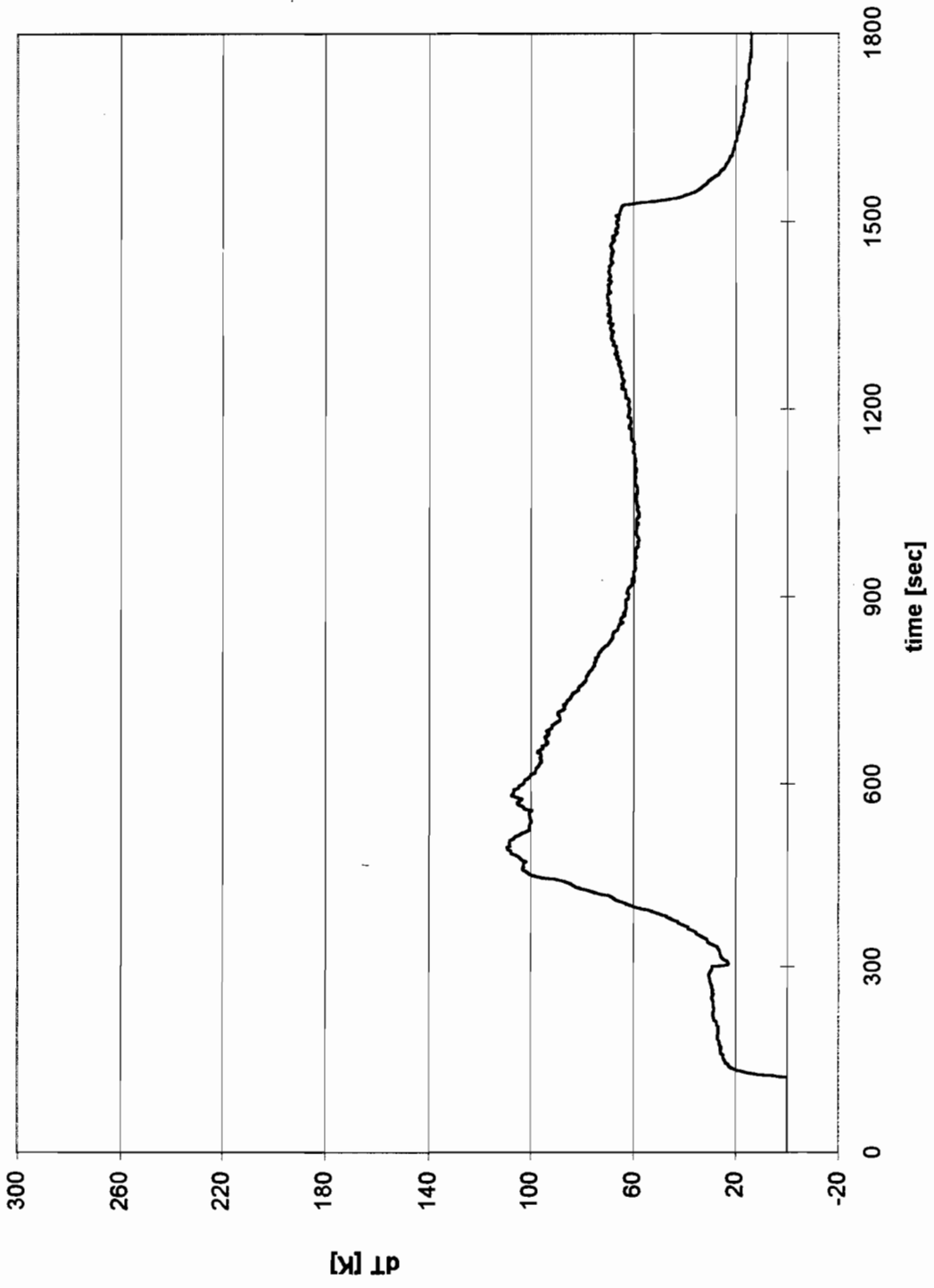
M24

1

07.08.97

v 4.1; 4 July '97

### Temperature rise



L04

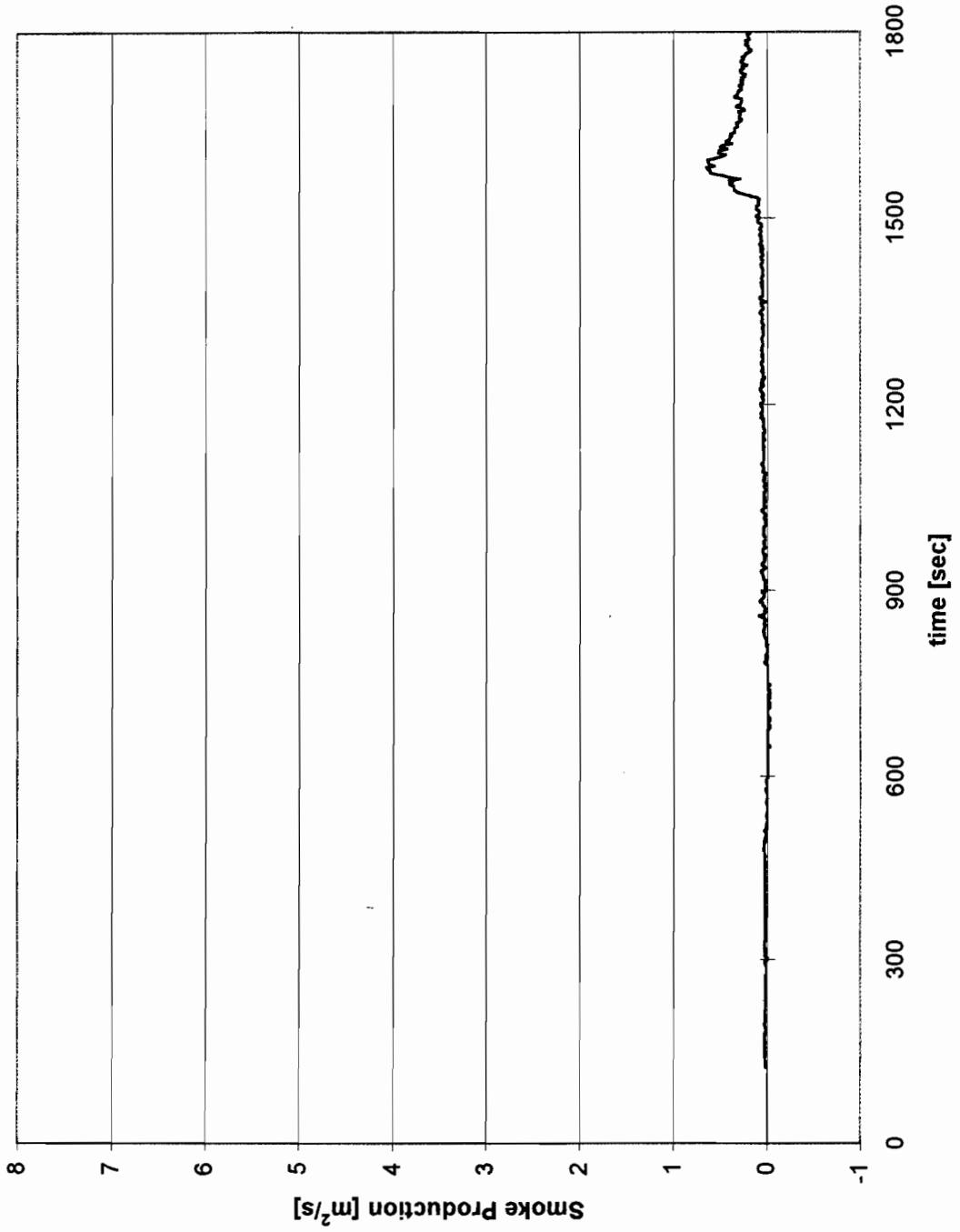
M24

1

07.08.97

v 4.1; 4 July '97

# Smoke Production



L04

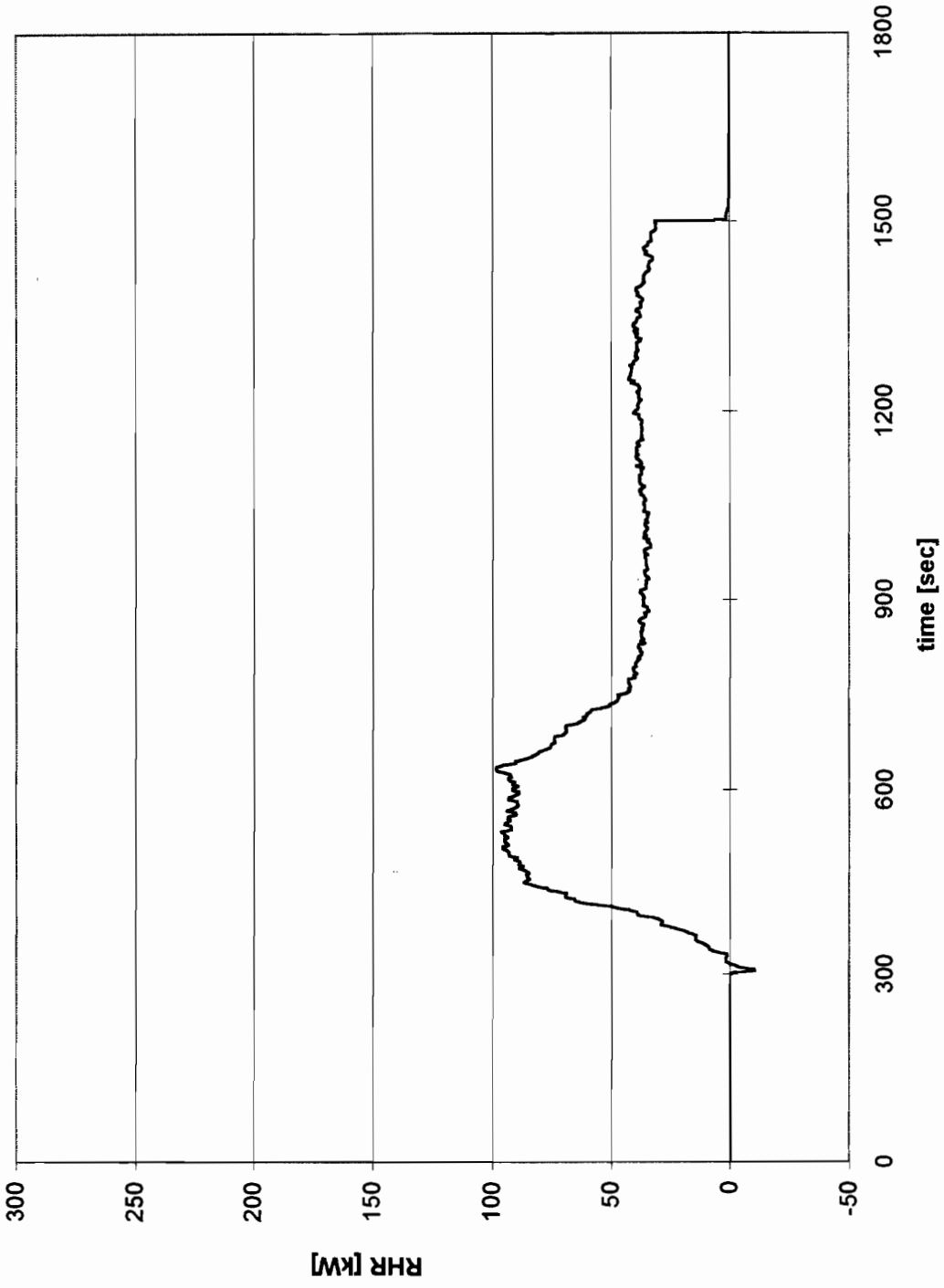
M24

1

07.08.97

v 4.1; 4 July '97

*RHR sample*



L04

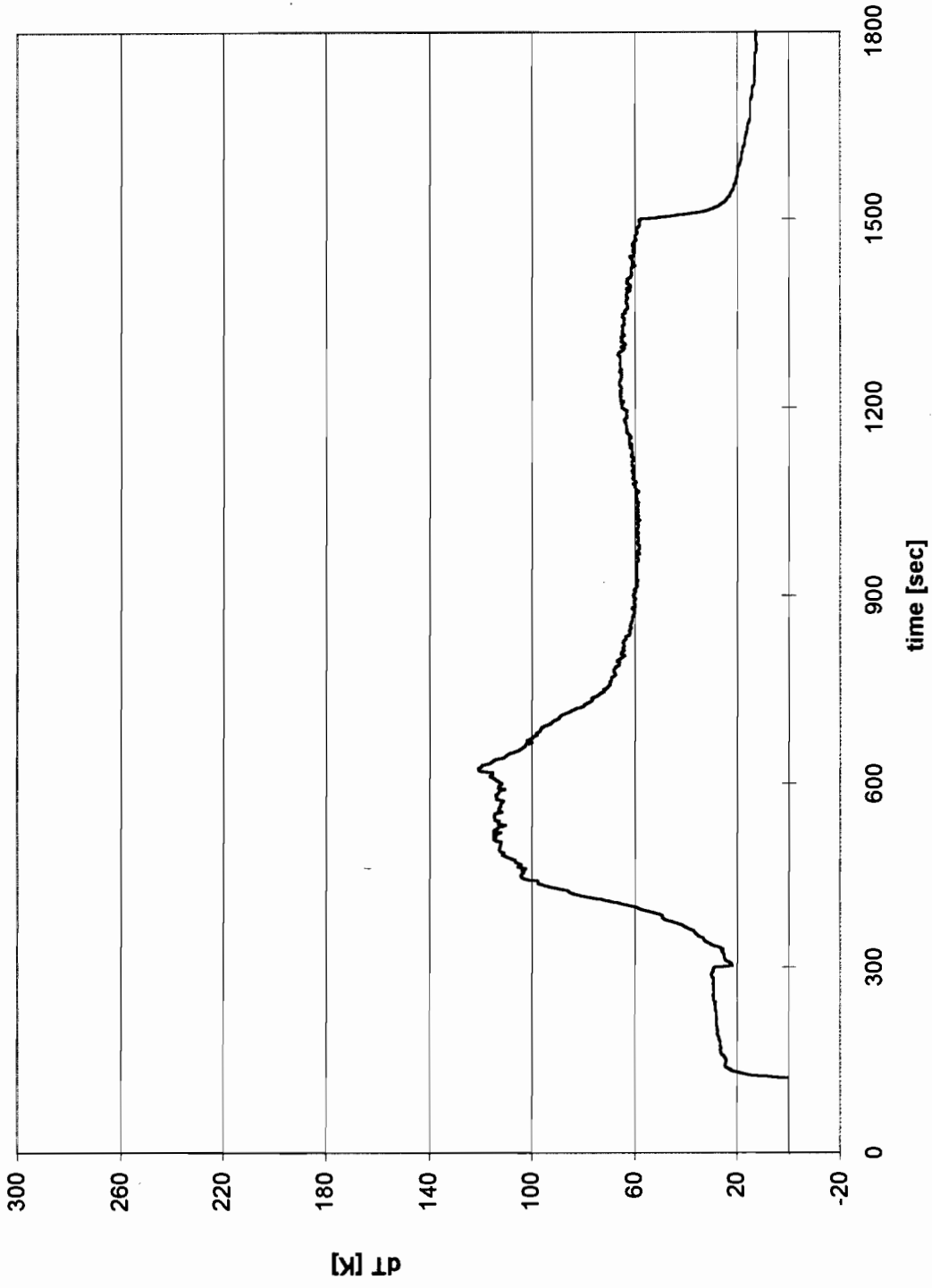
M24

2

07.08.97

v 4.1; 4 July '97

### Temperature rise



L04

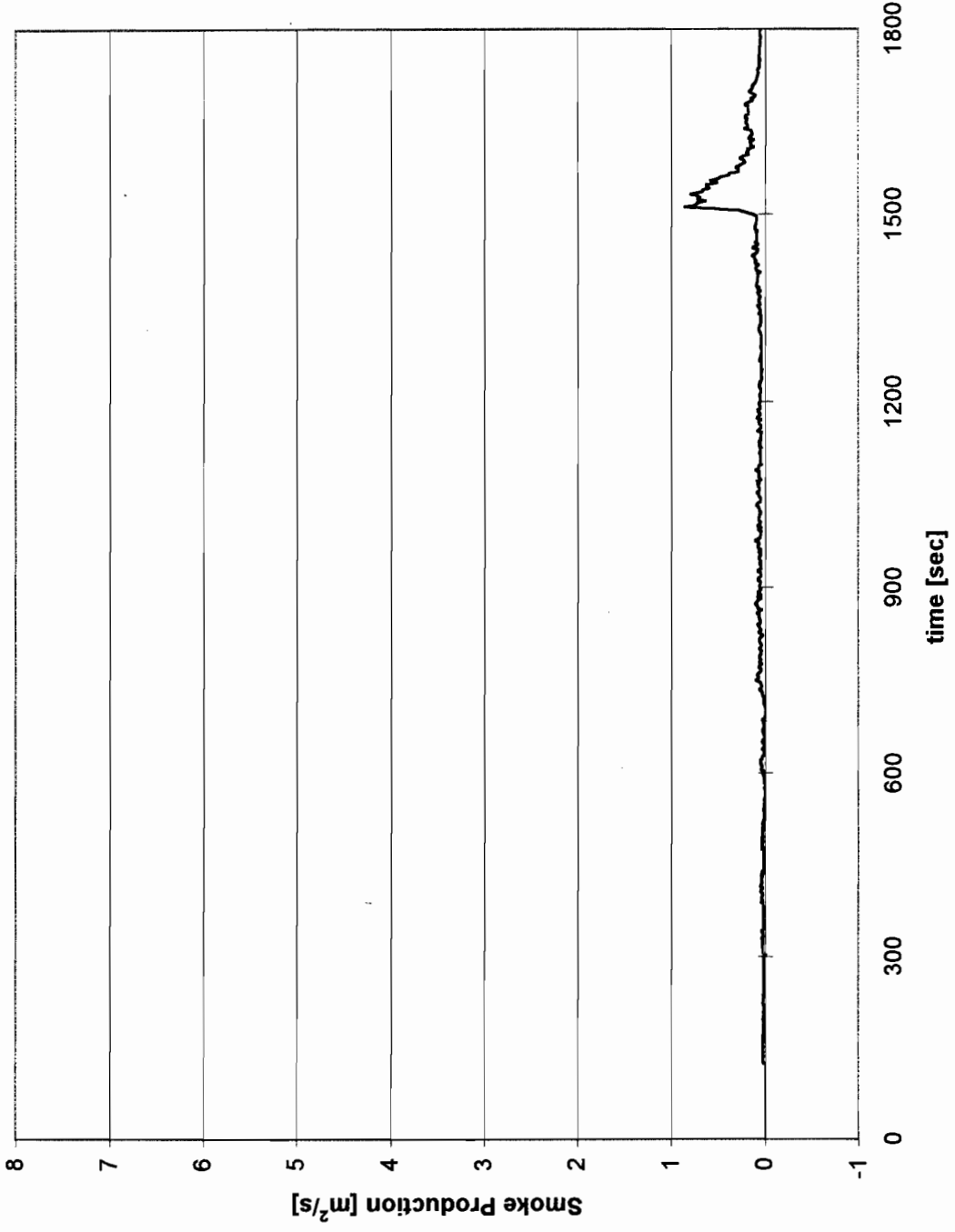
M24

2

07.08.97

v 4.1; 4 July '97

# Smoke Production



L04

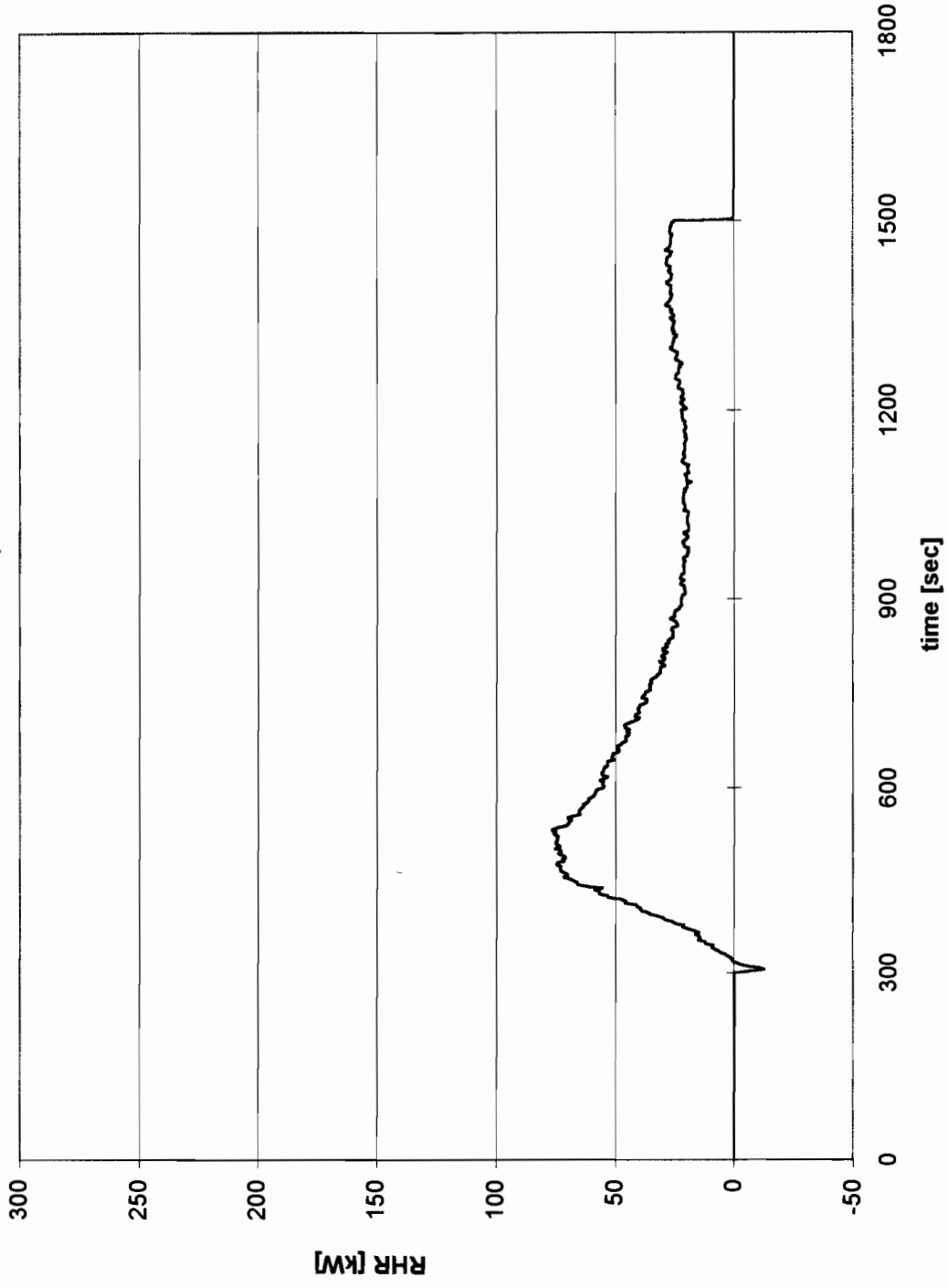
M24

2

07.08.97

v 4.1; 4 July '97

### RHR sample



L04

M24

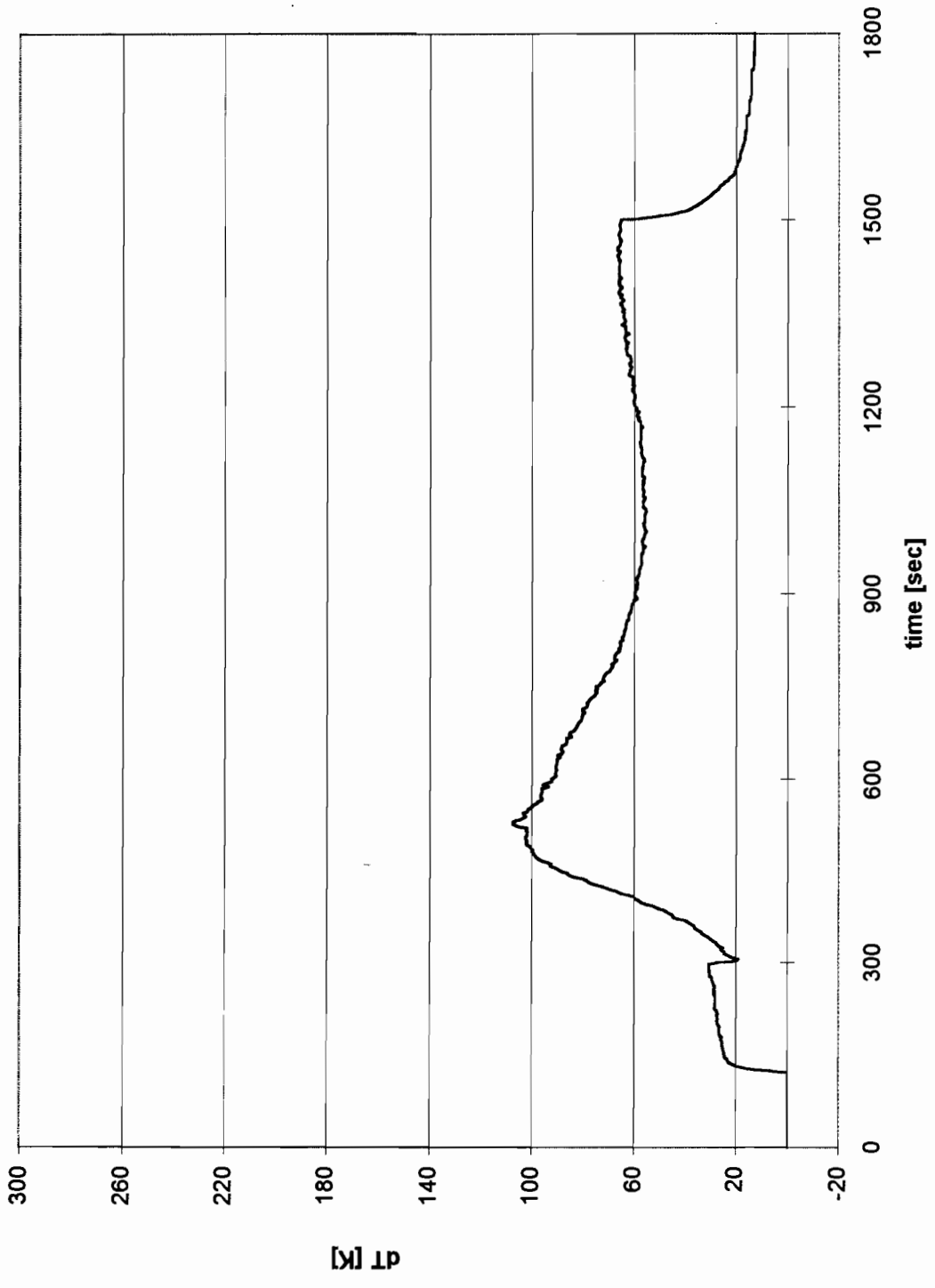
3

08.08.97

v 4.1; 4 July '97



### Temperature rise



L04

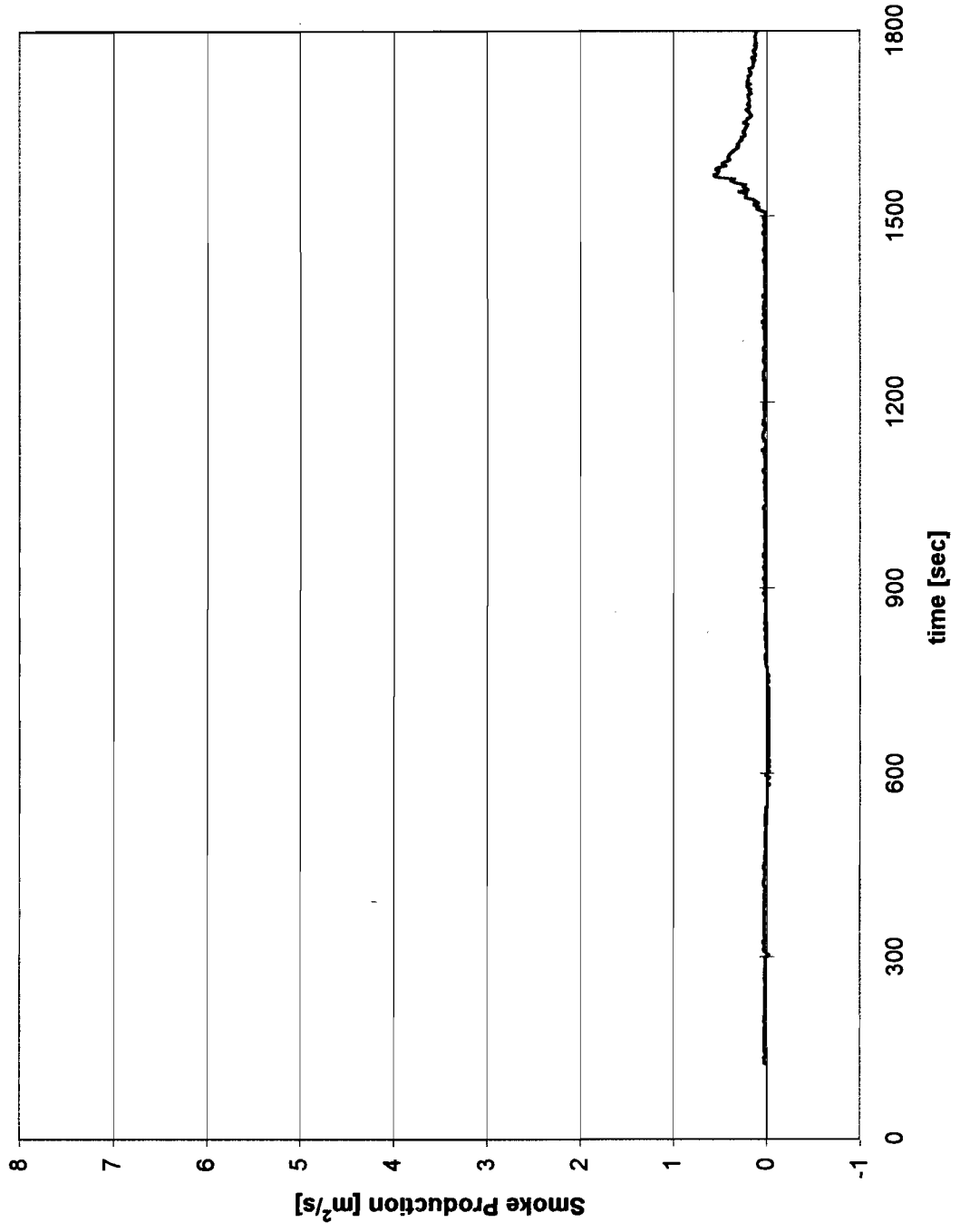
M24

3

08.08.97

v 4.1; 4 July '97

### Smoke Production



L04

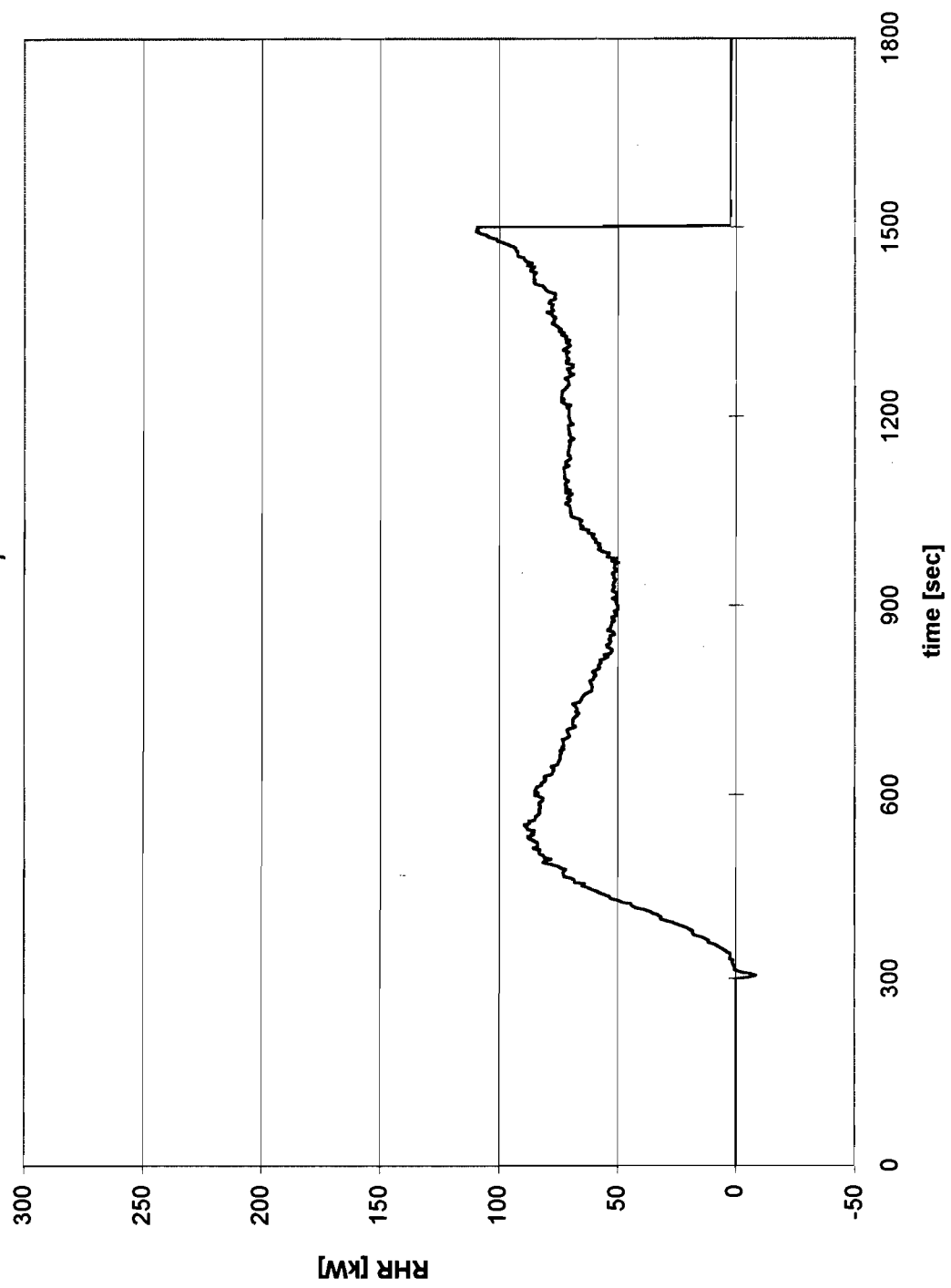
M24

3

08.08.97

v 4.1; 4 July '97

### RHR sample



L04

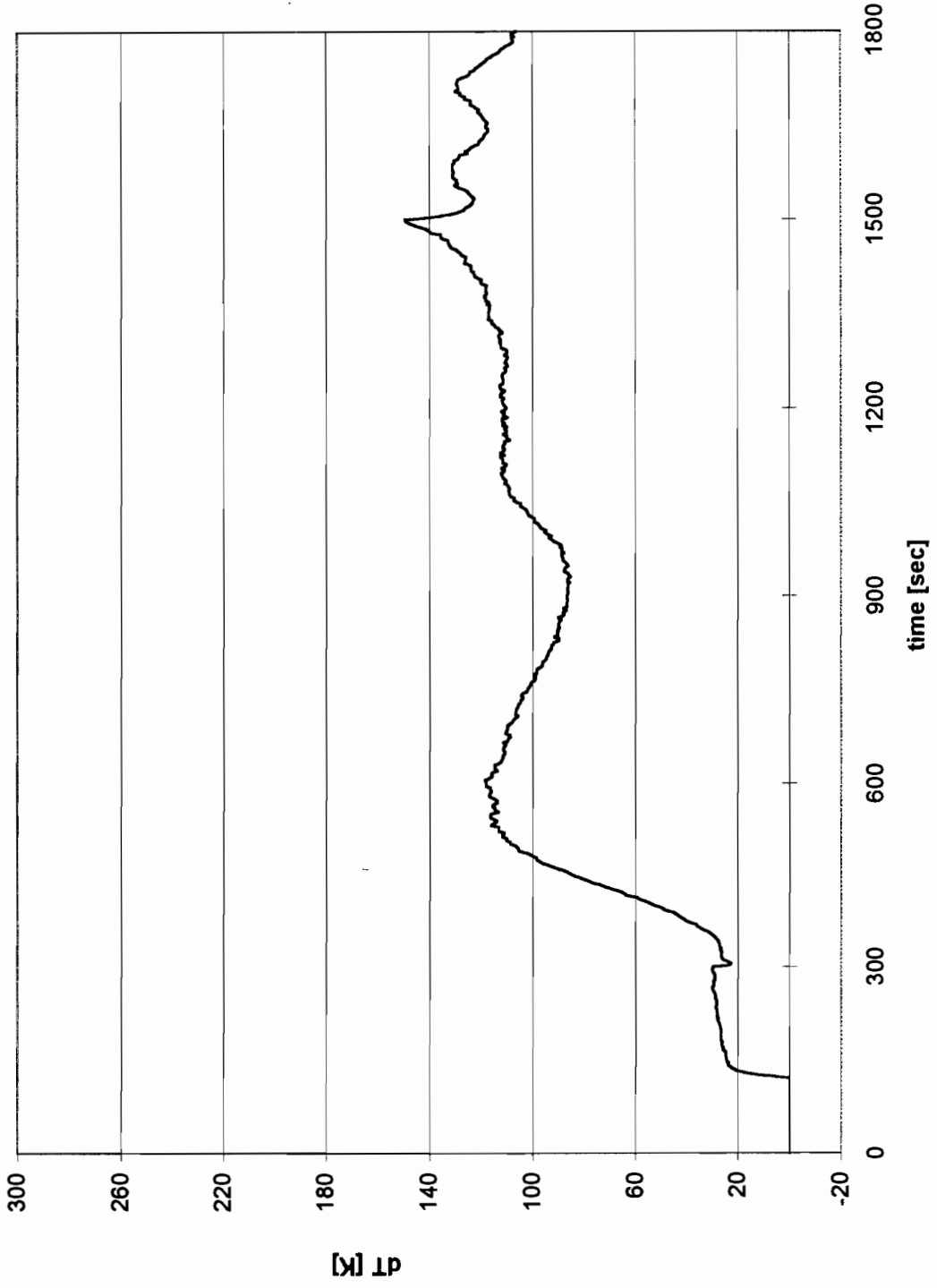
M25

1

07.08.97

v 4.1; 4 July '97

### Temperature rise



L04

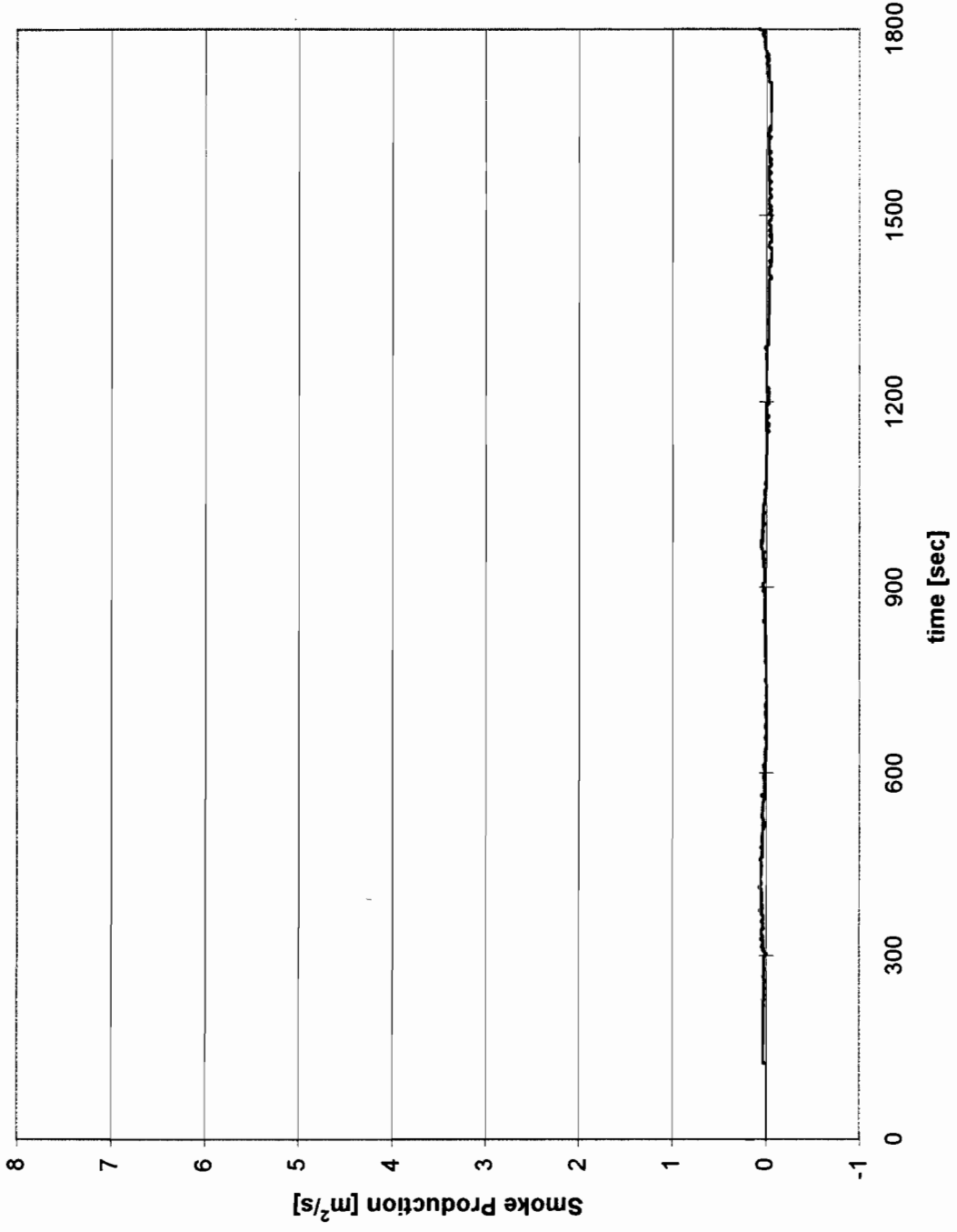
M25

1

07.08.97

v 4.1; 4 July '97

# Smoke Production



L04

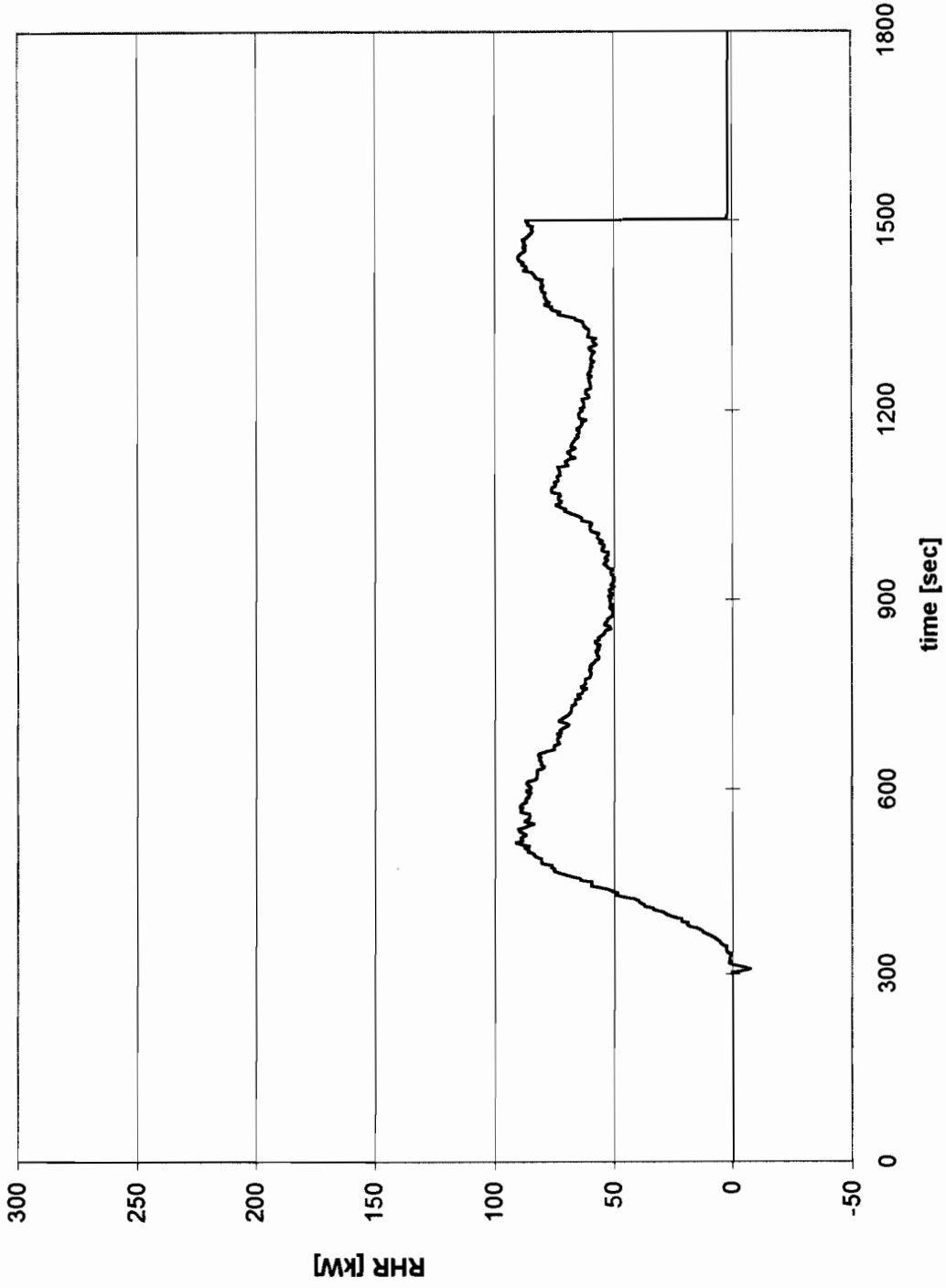
M25

1

07.08.97

v 4.1; 4 July '97

### RHR sample



L04

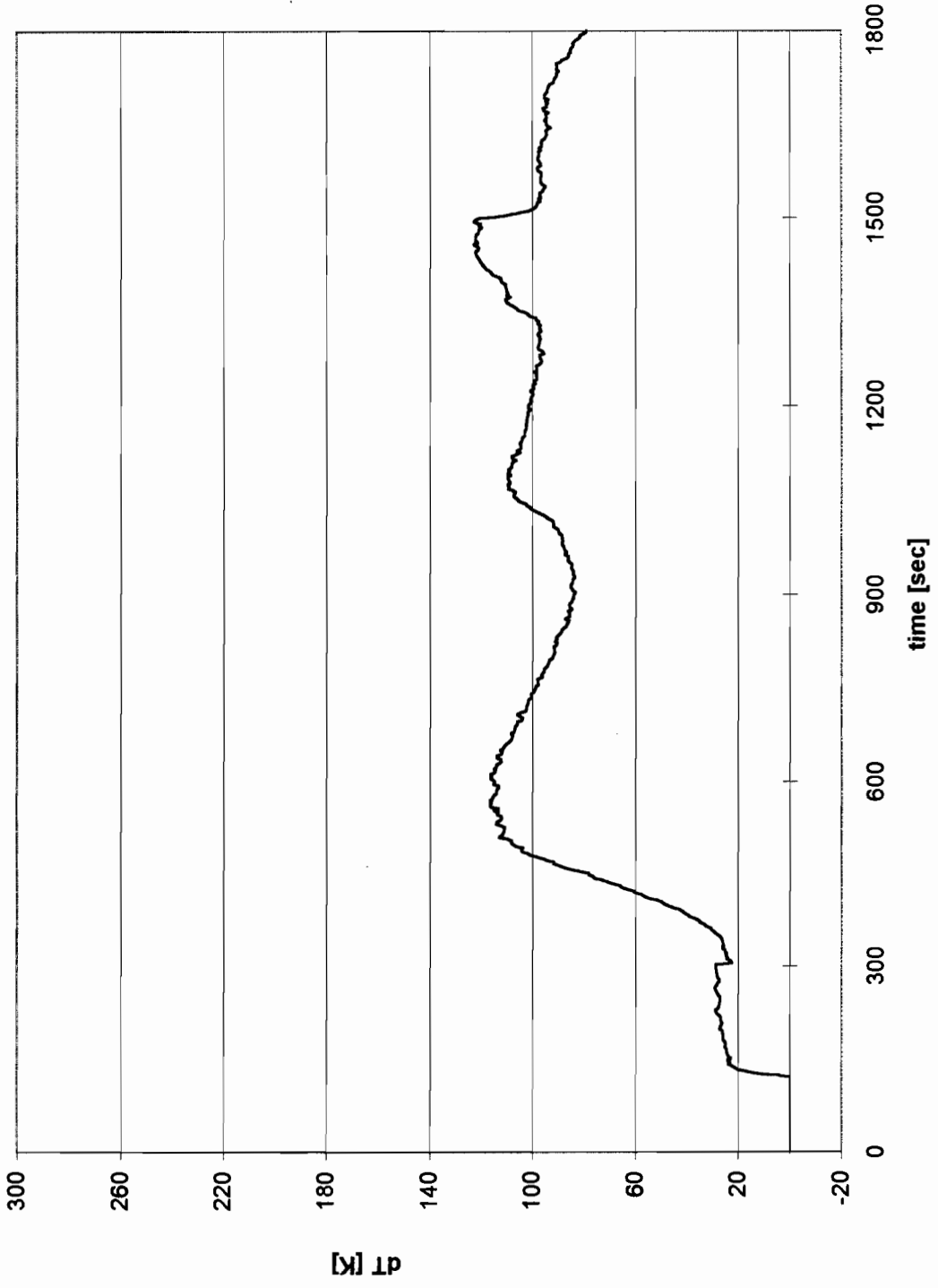
M25

2

08.08.97

v 4.1; 4 July '97

### Temperature rise



L04

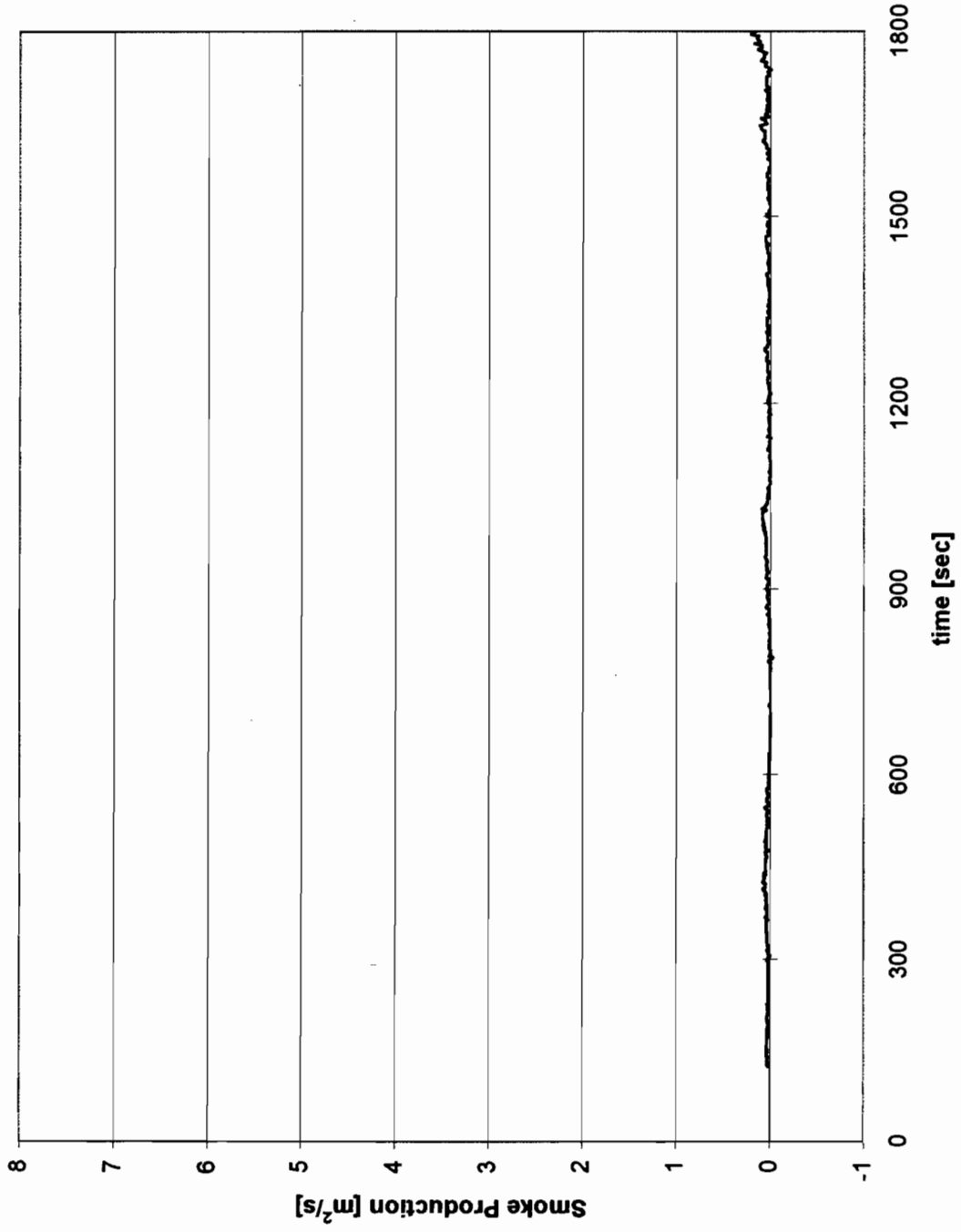
M25

2

08.08.97

v 4.1; 4 July '97

# Smoke Production



L04

M25

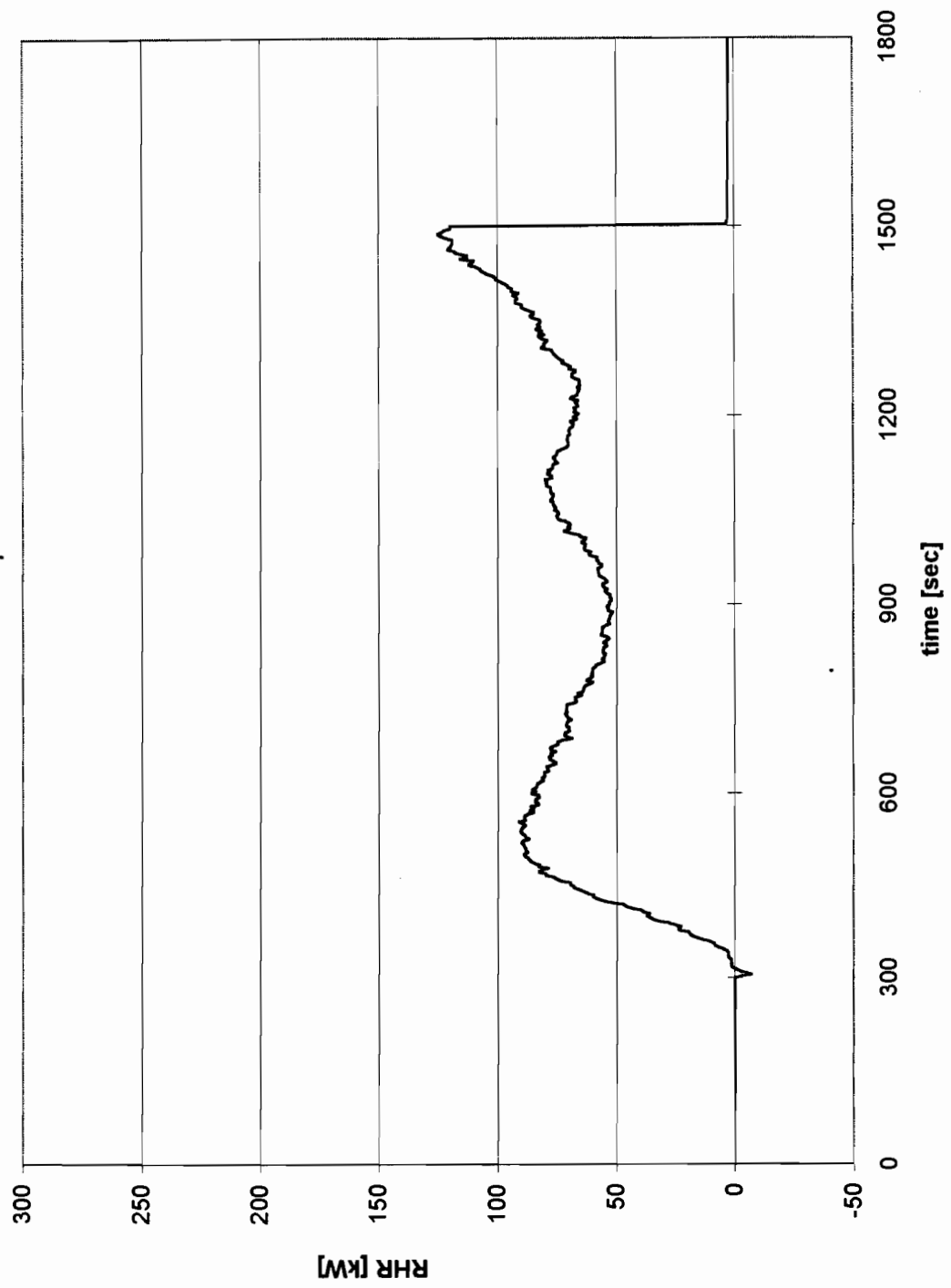
2

08.08.97

v 4.1; 4 July '97



### RHR sample



L04

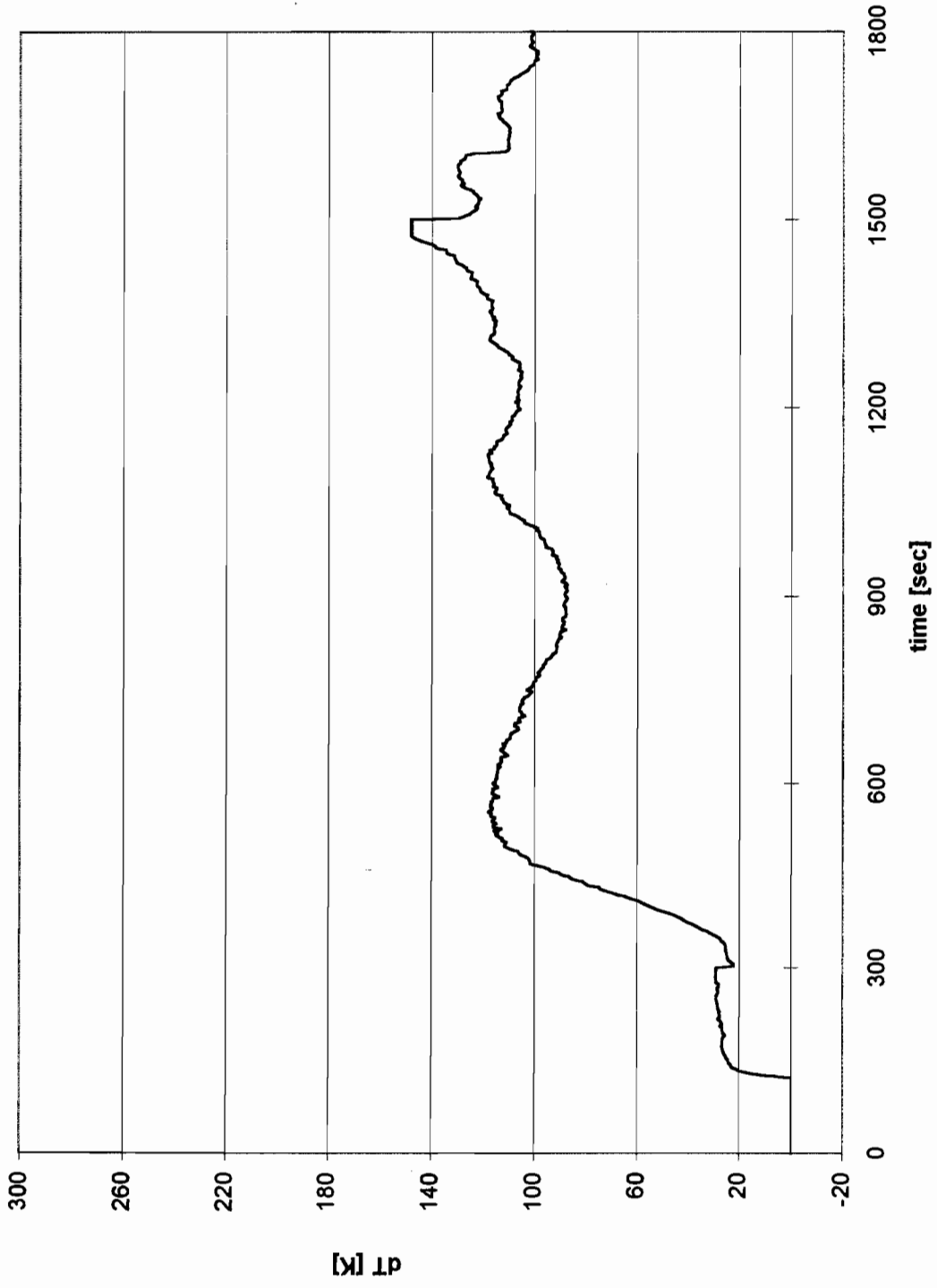
M25

3

08.08.97

v 4.1; 4 July '97

# Temperature rise



L04

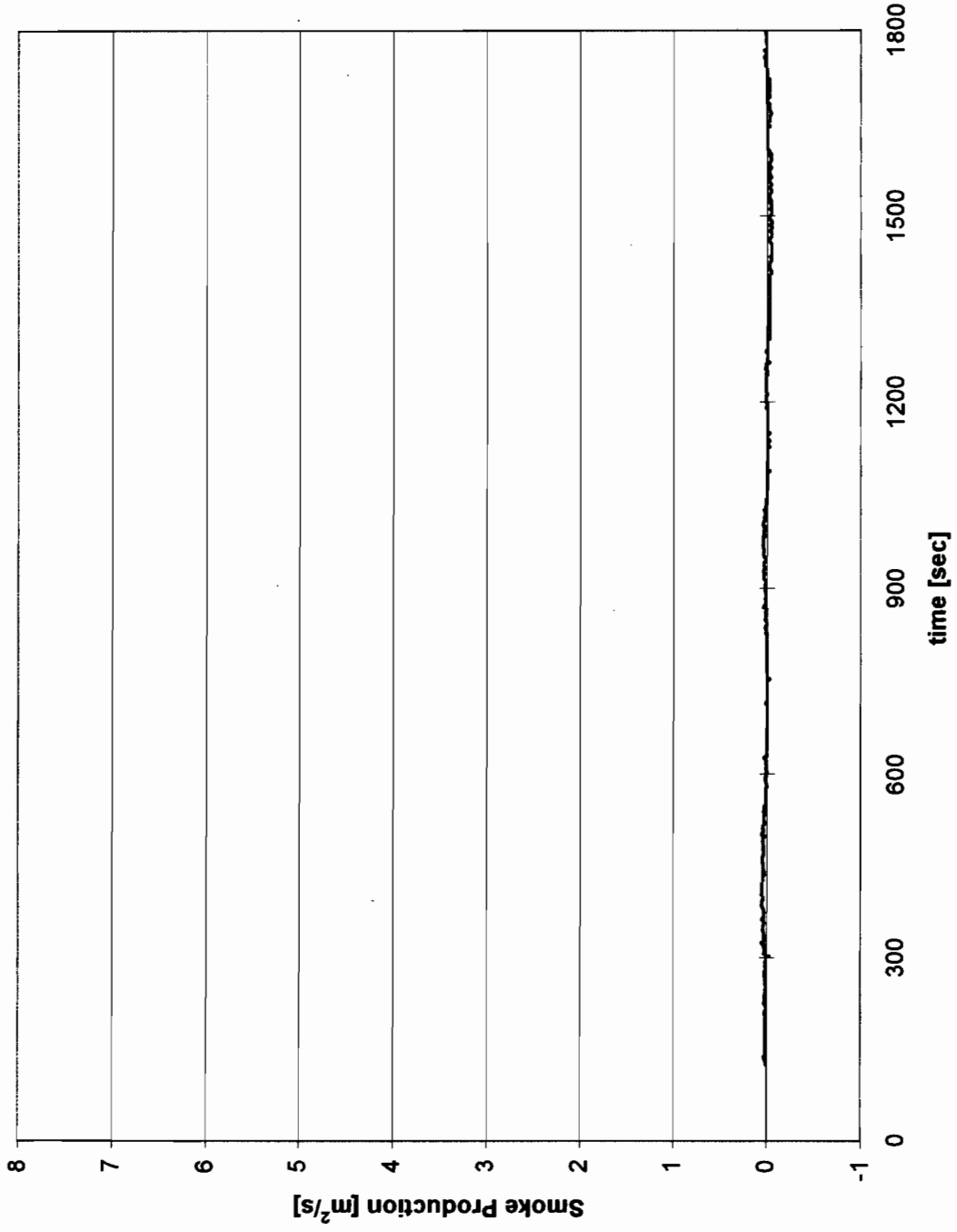
M25

3

08.08.97

v 4.1; 4 July '97

### Smoke Production



L04

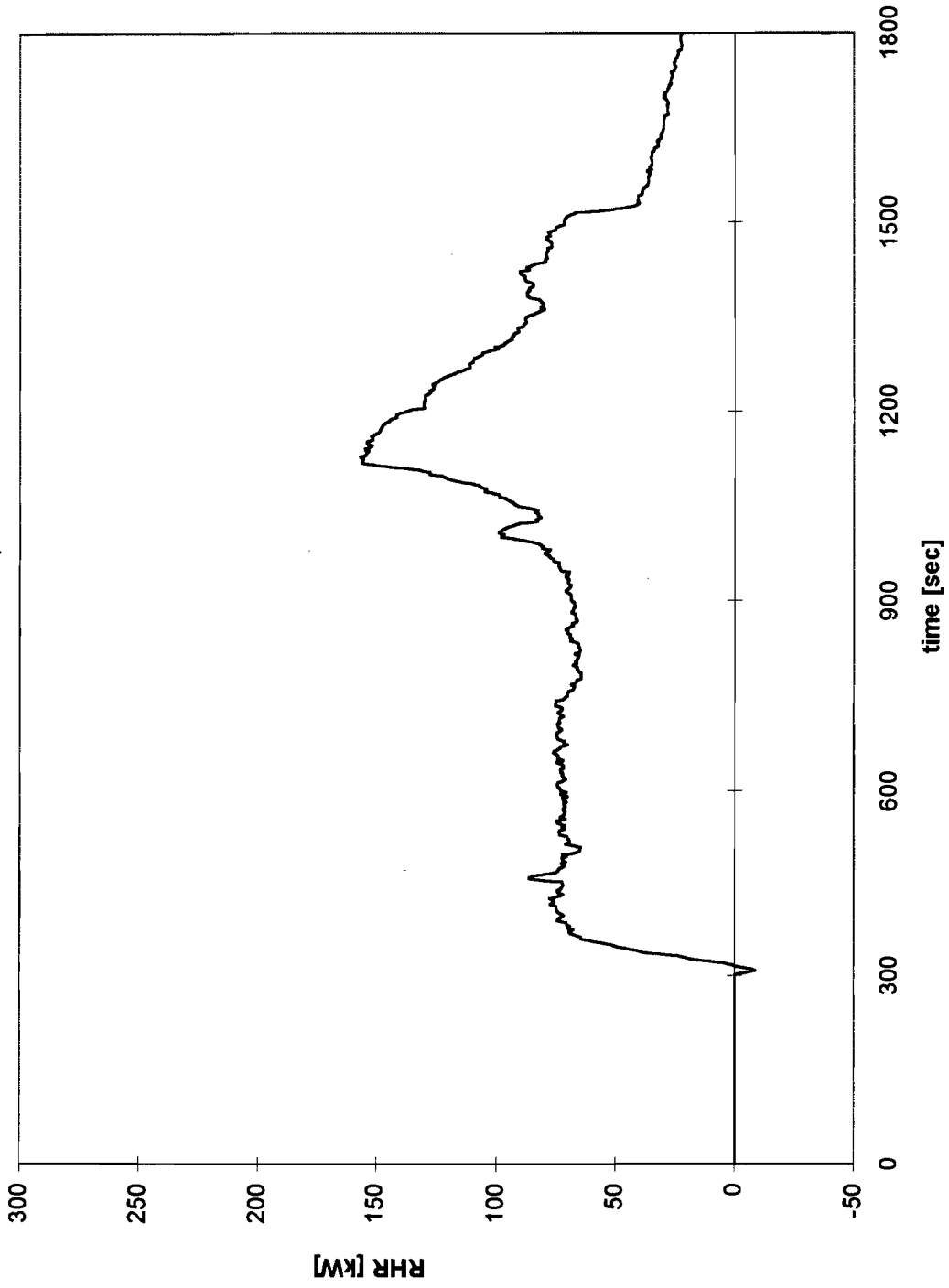
M25

3

08.08.97

v 4.1; 4 July '97

*RHR sample*



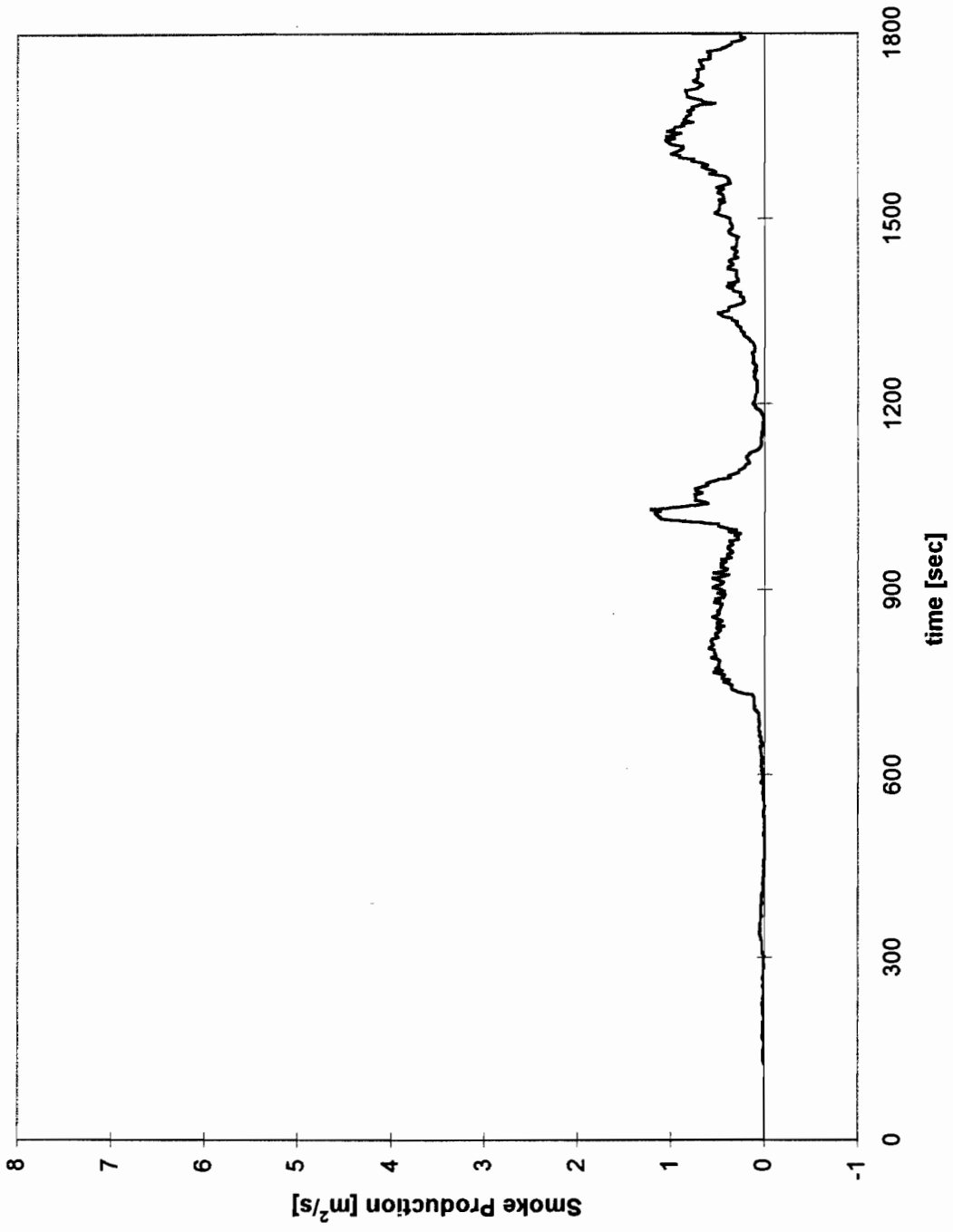
L04

M26

6

17.07.97

### Smoke Production



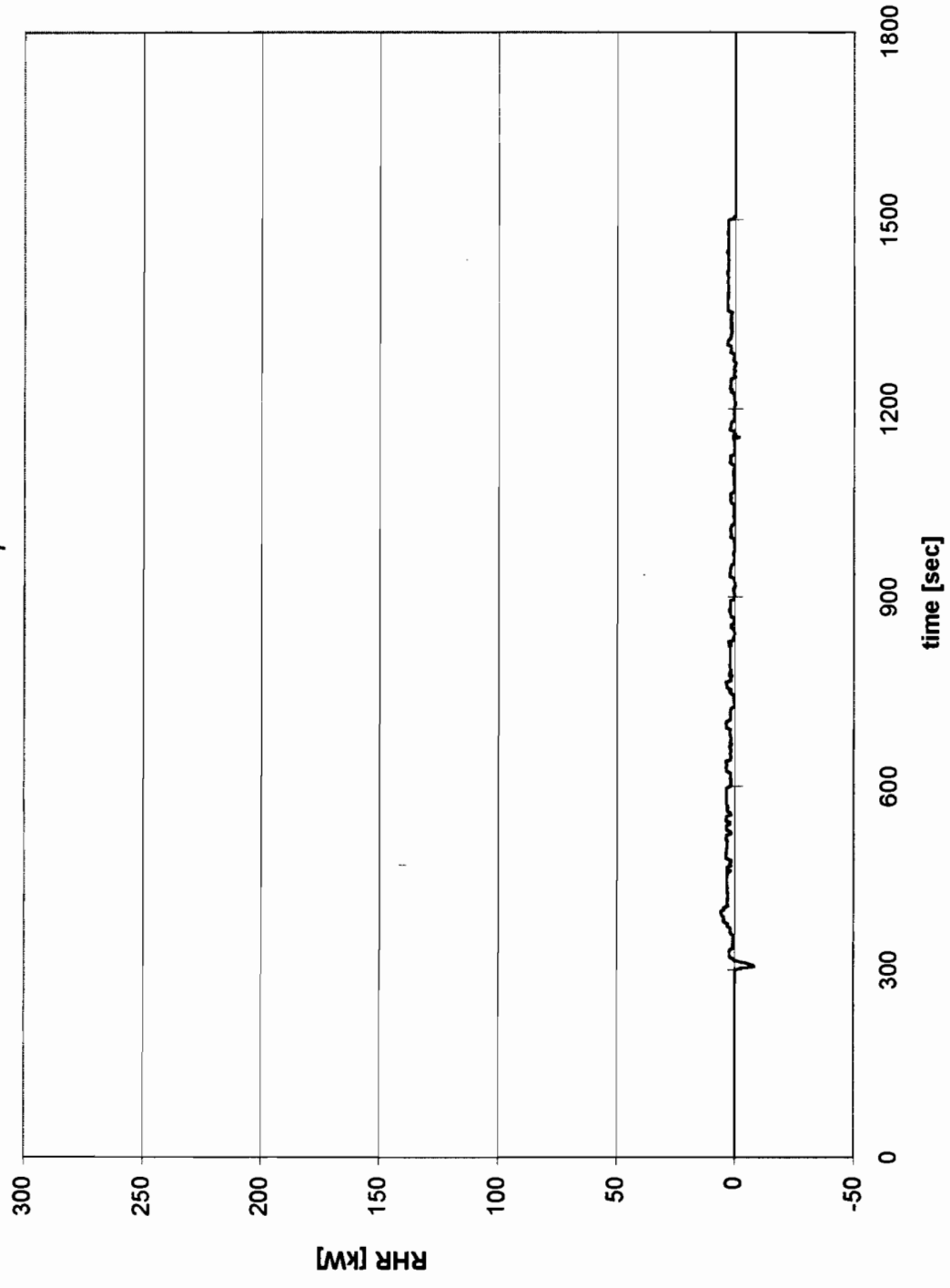
L04

M26

6

17.07.97

### RHR sample



L04

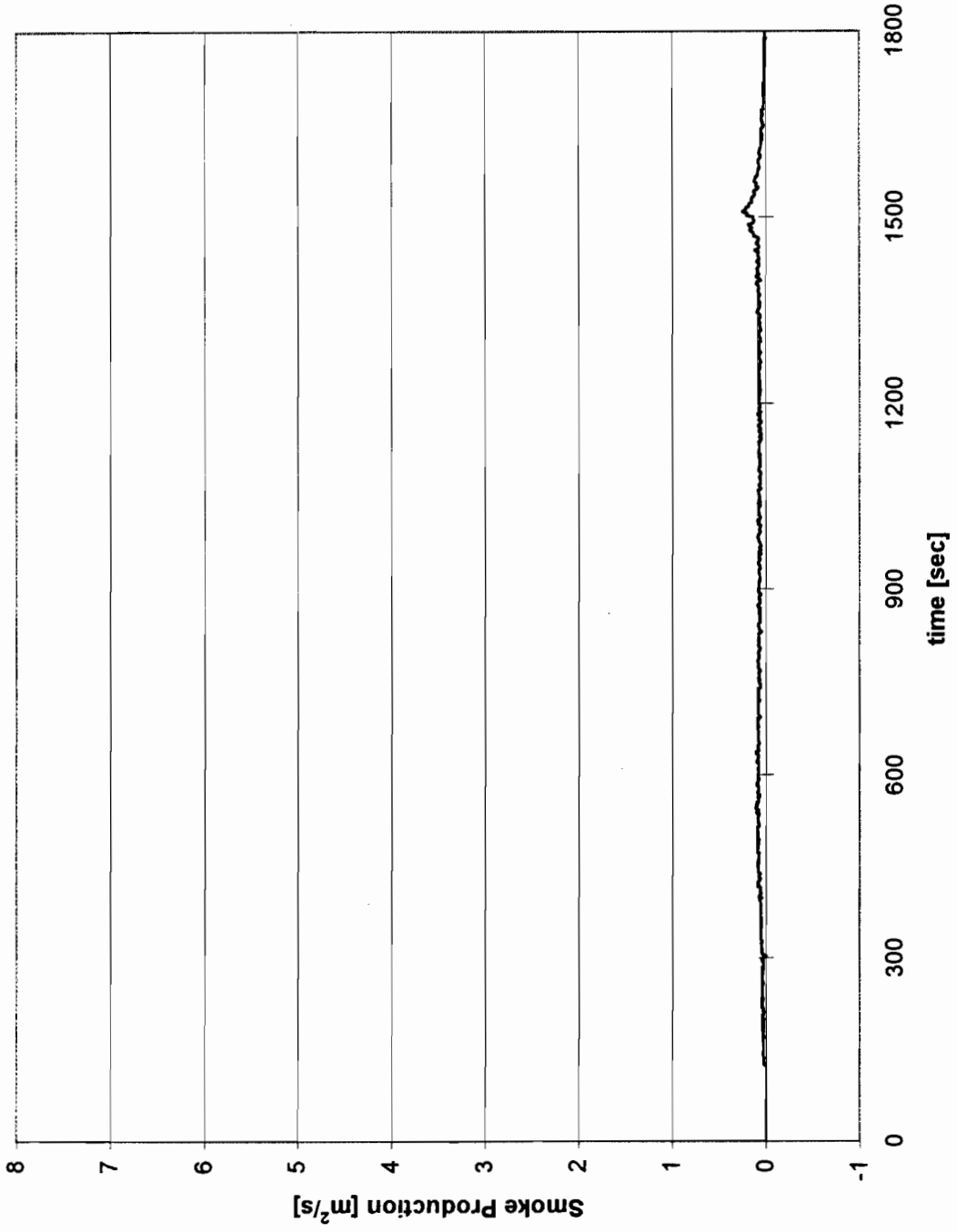
M27

1

05.09.97

v 4.1; 4 July '97

# Smoke Production



L04

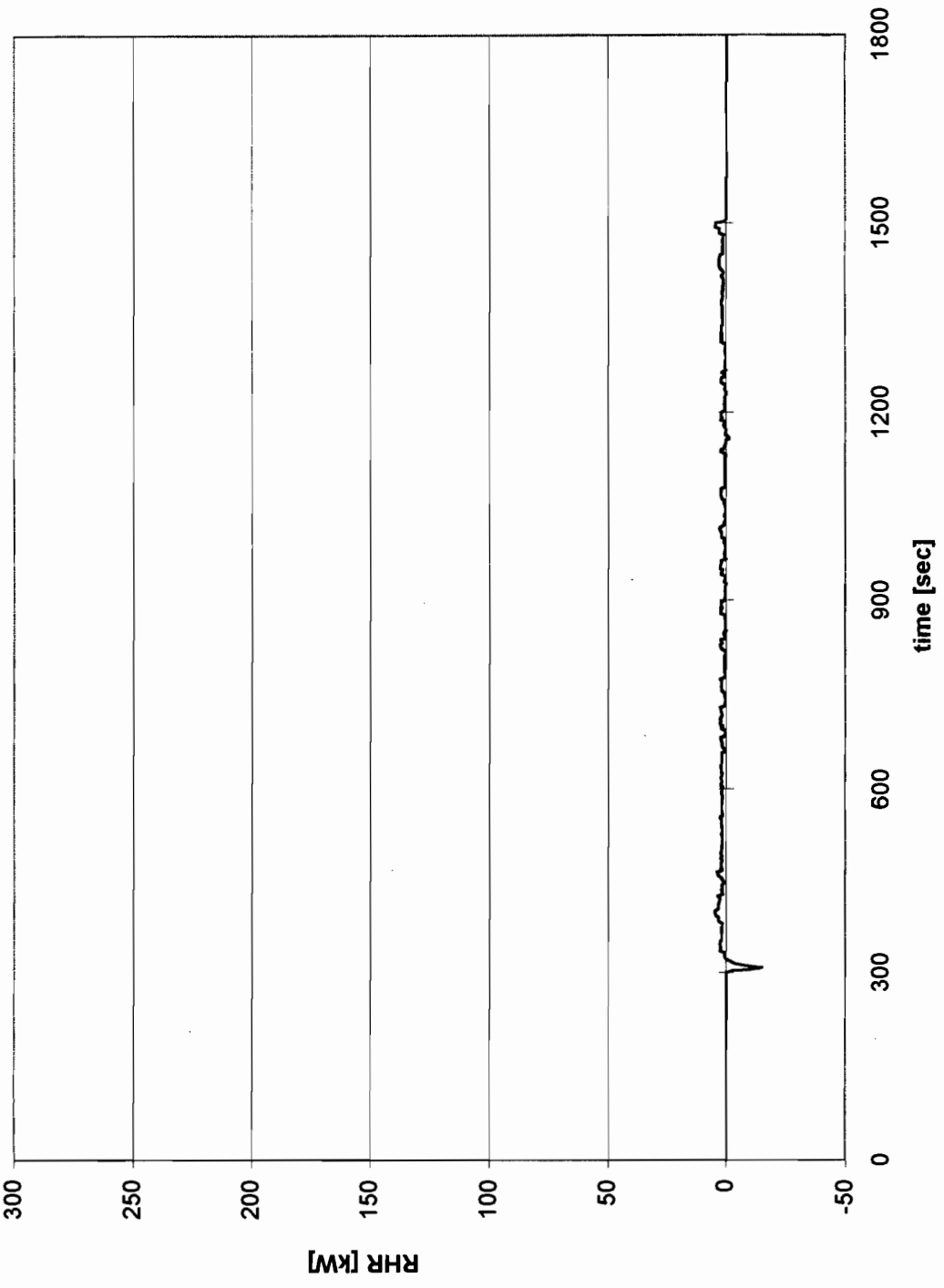
M27

1

05.09.97

v 4.1; 4 July '97

*RHR sample*



L04

M27

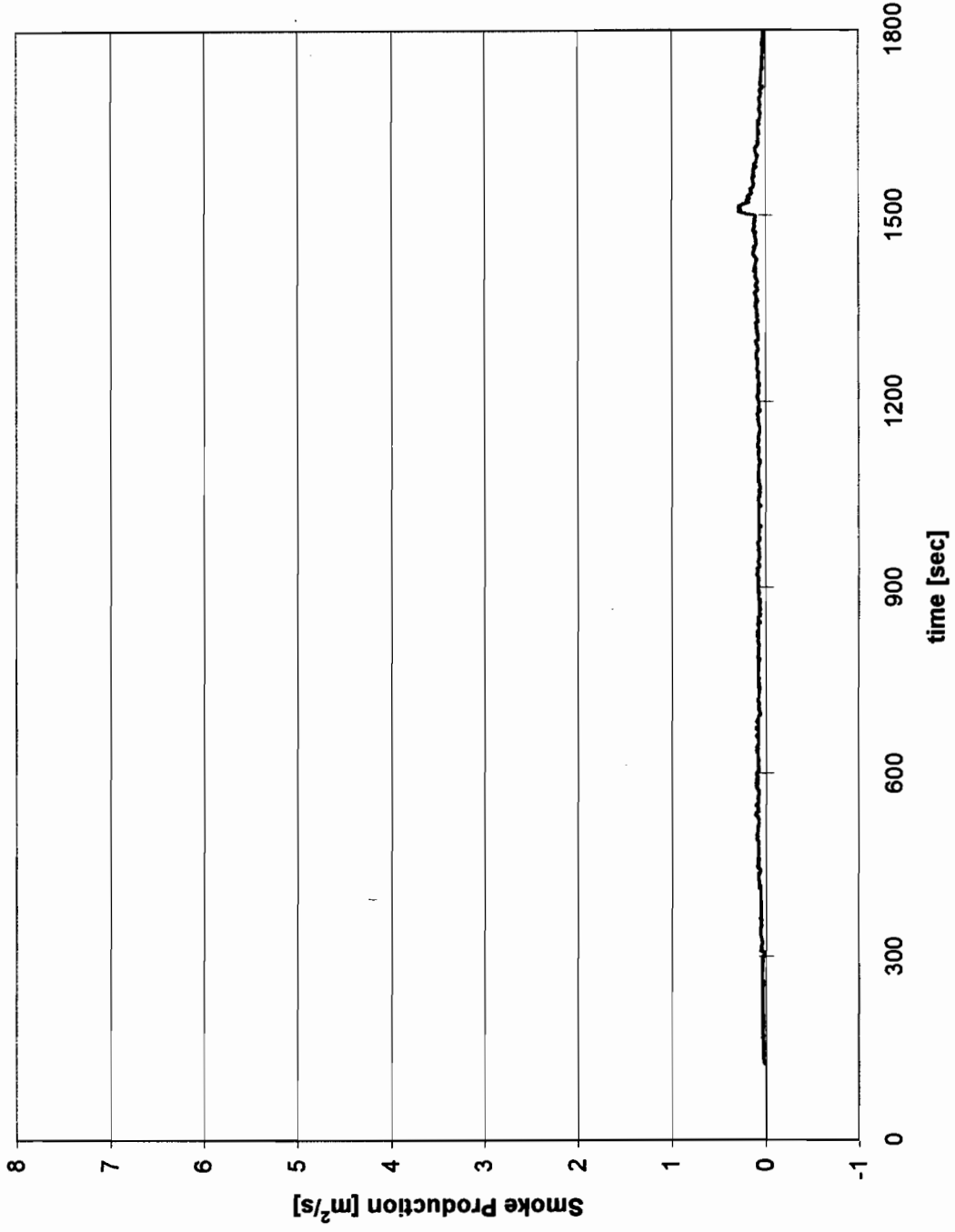
2

05.09.97

v 4.1; 4 July '97



# Smoke Production



L04

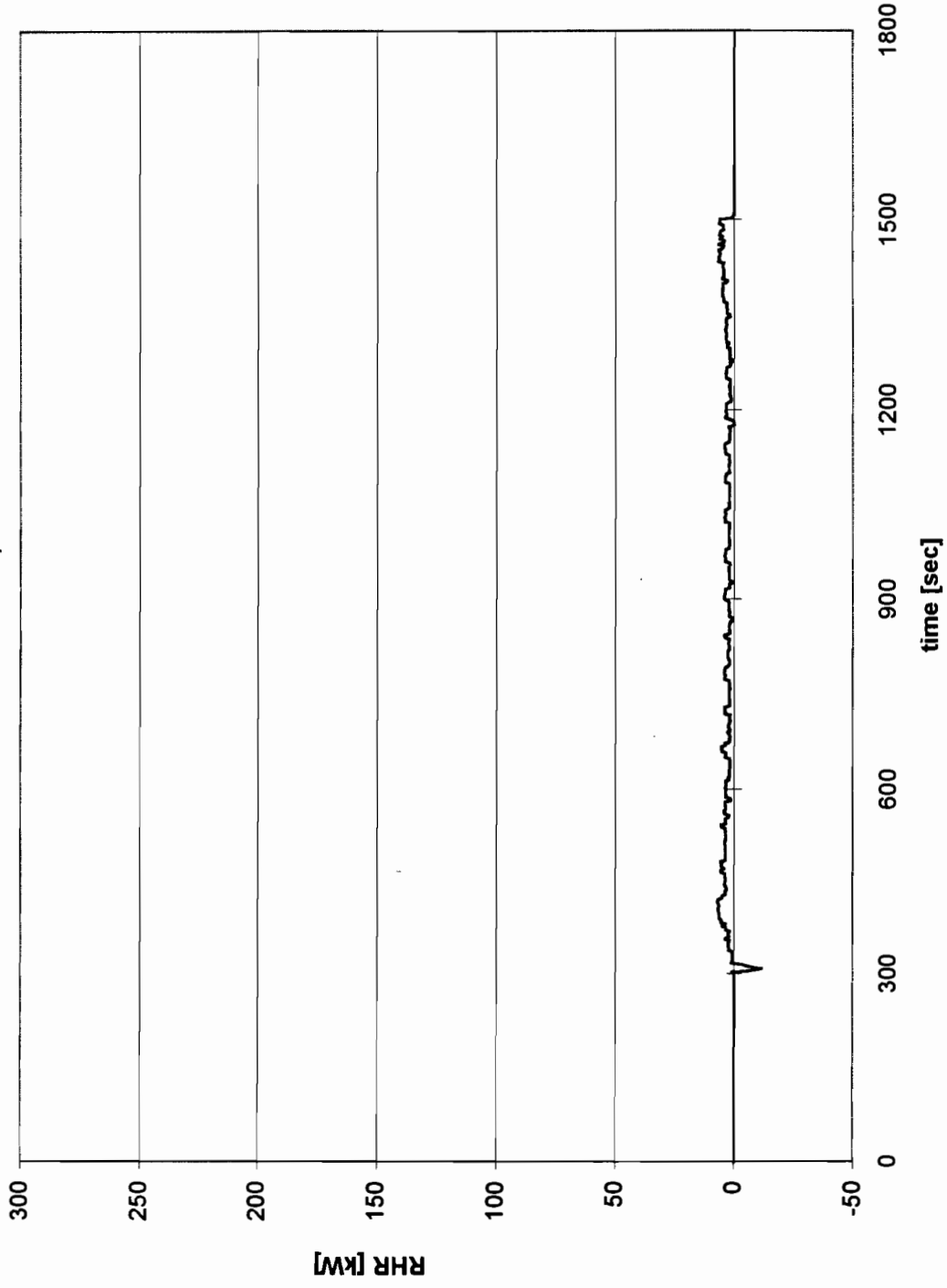
M27

2

05.09.97

v 4.1; 4 July '97

### RHR sample



L04

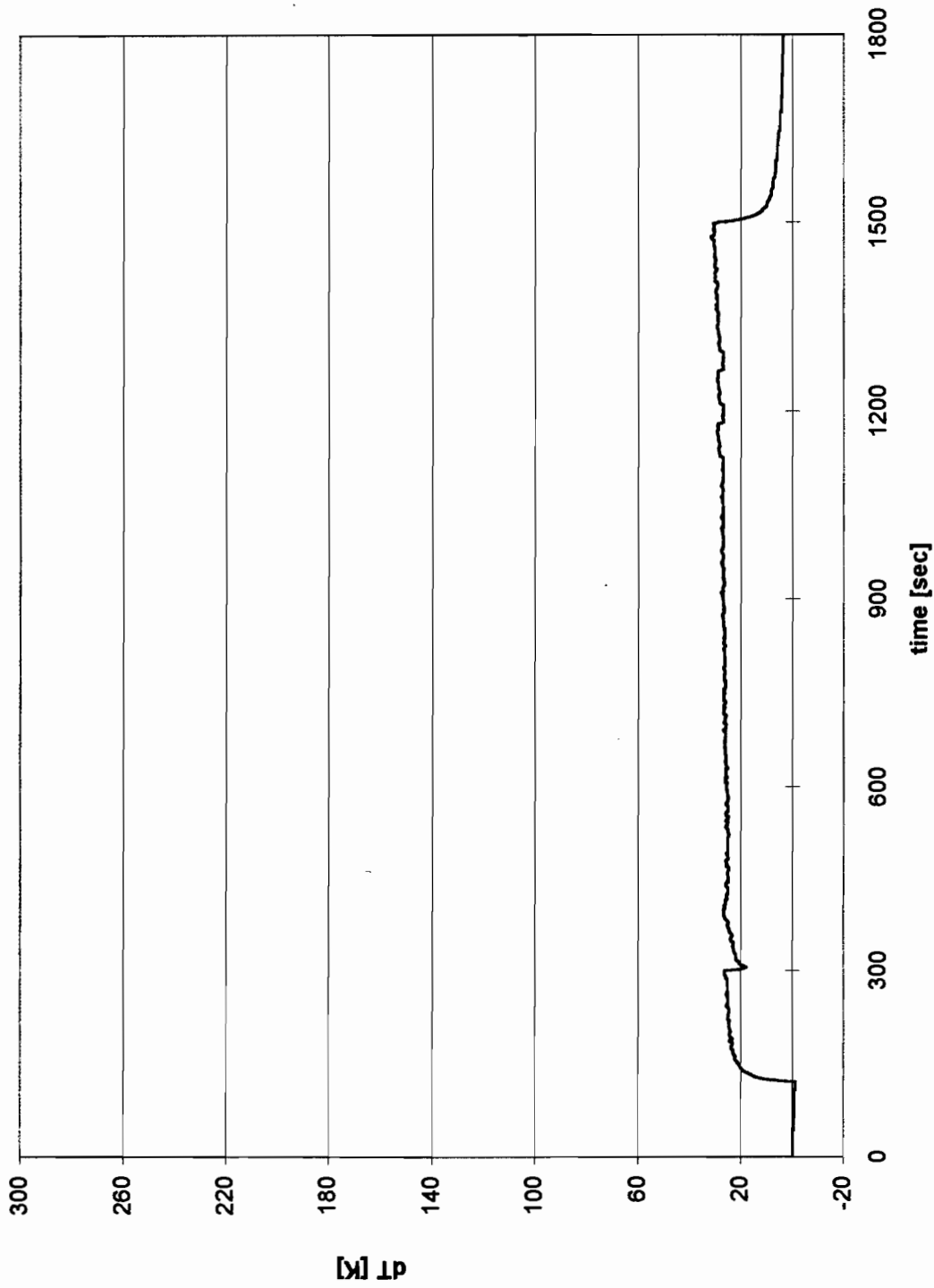
M27

3

05.09.97

v 4.1; 4 July '97

*Temperature rise*



L04

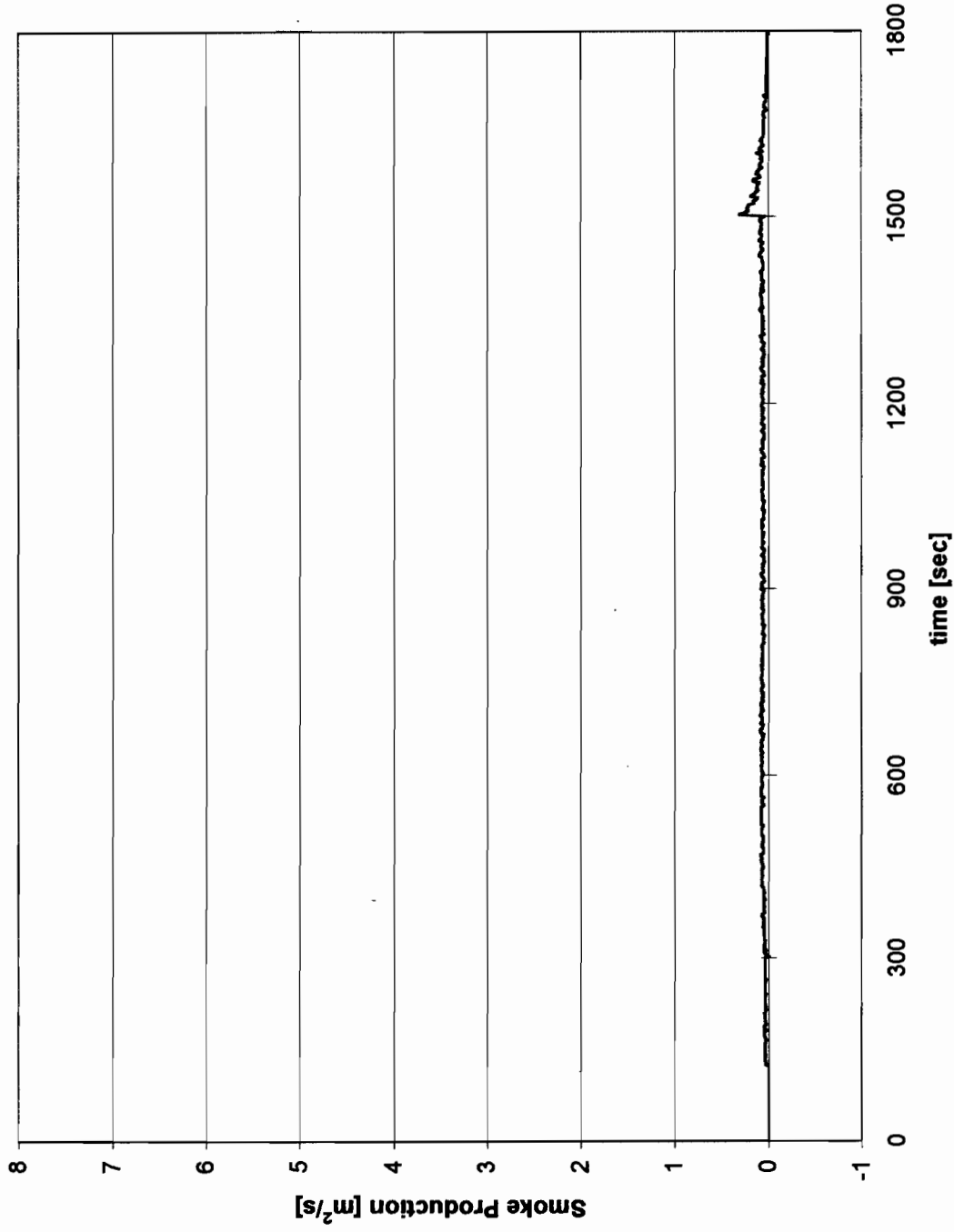
M27

3

05.09.97

v 4.1; 4 July '97

# Smoke Production



L04

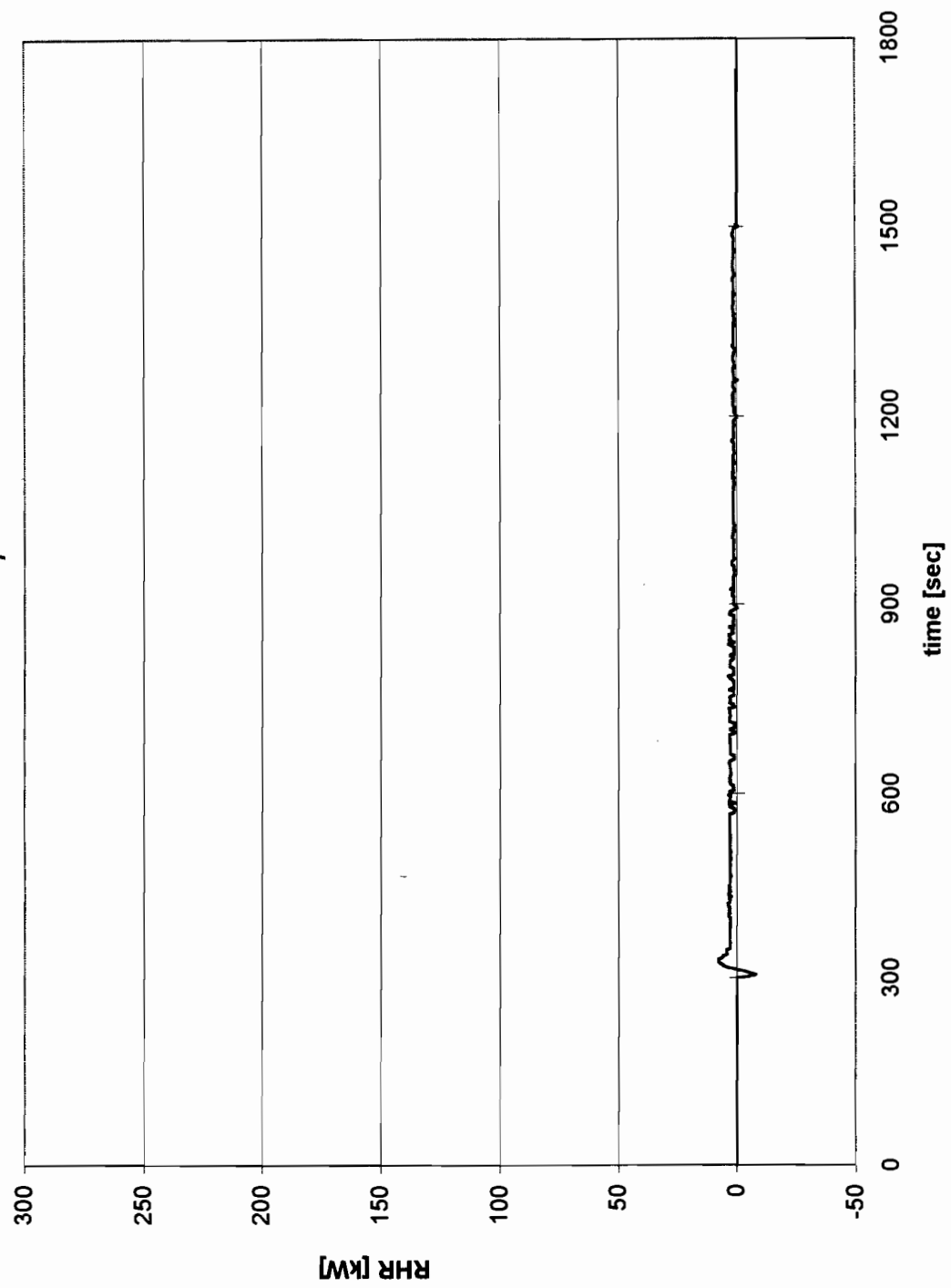
M27

3

05.09.97

v 4.1; 4 July '97

### RHR sample



L04

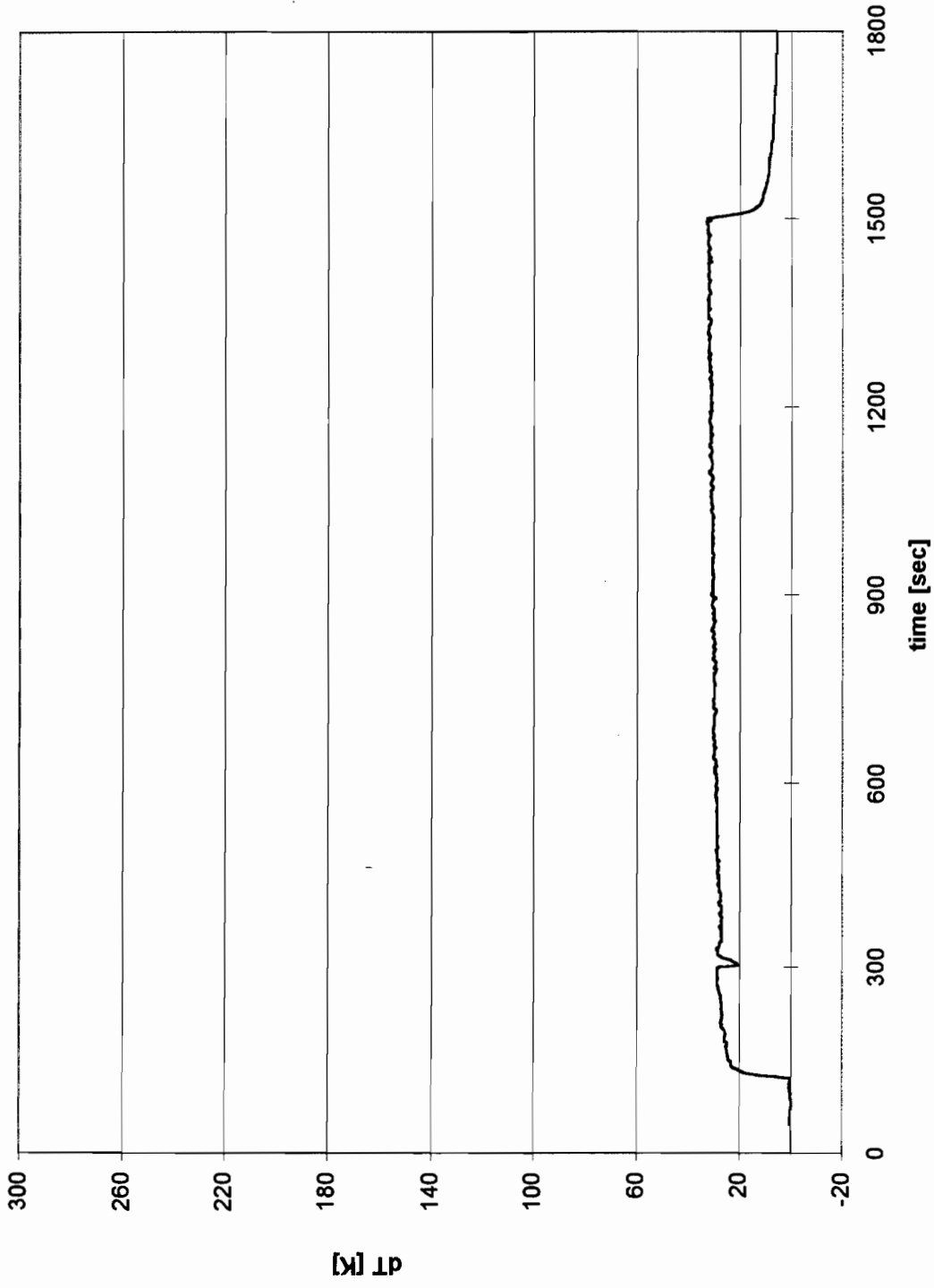
M28

1

21.08.97

v 4.1; 4 July '97

### Temperature rise



L04

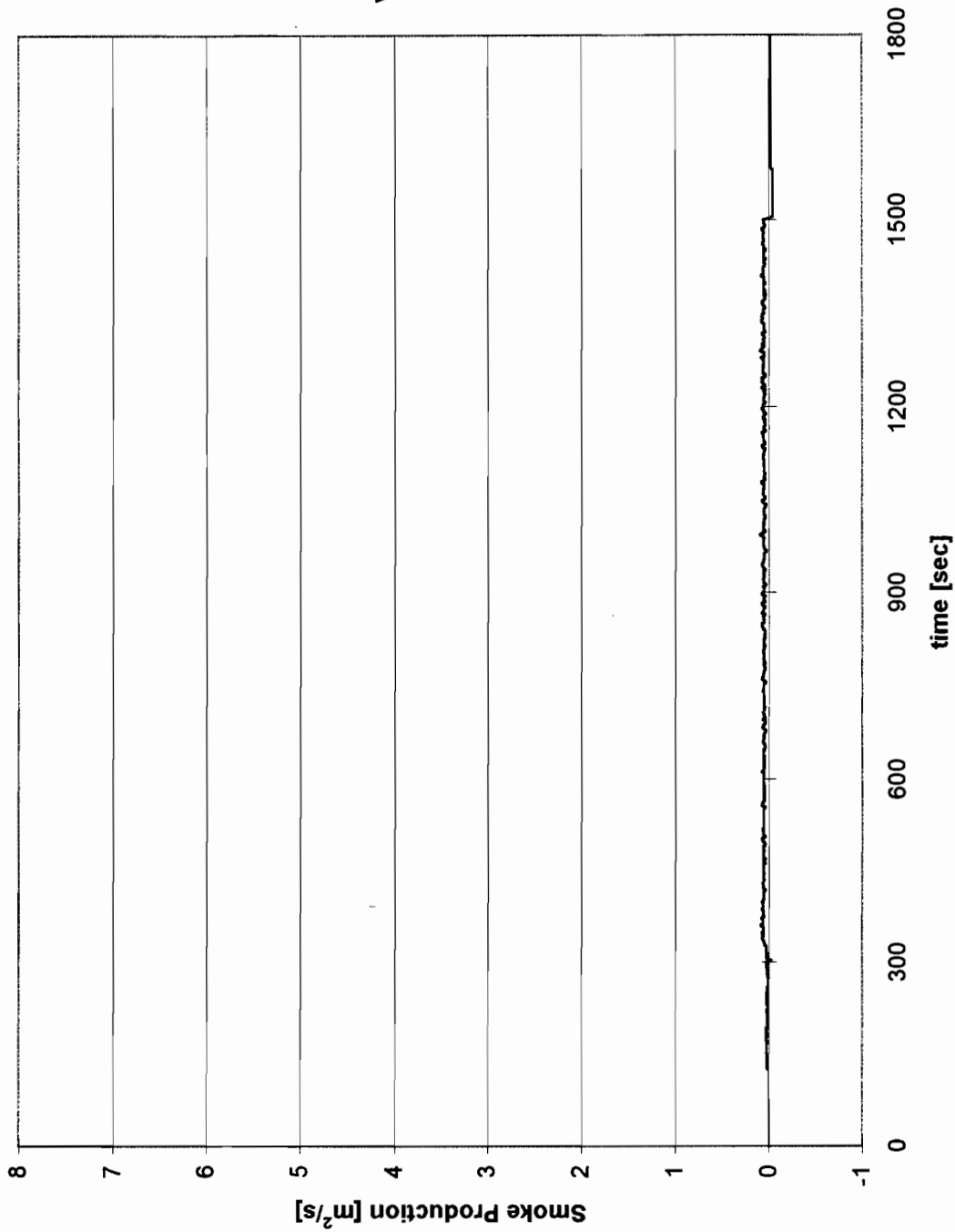
M28

1

21.08.97

v 4.1; 4 July '97

# Smoke Production



L04

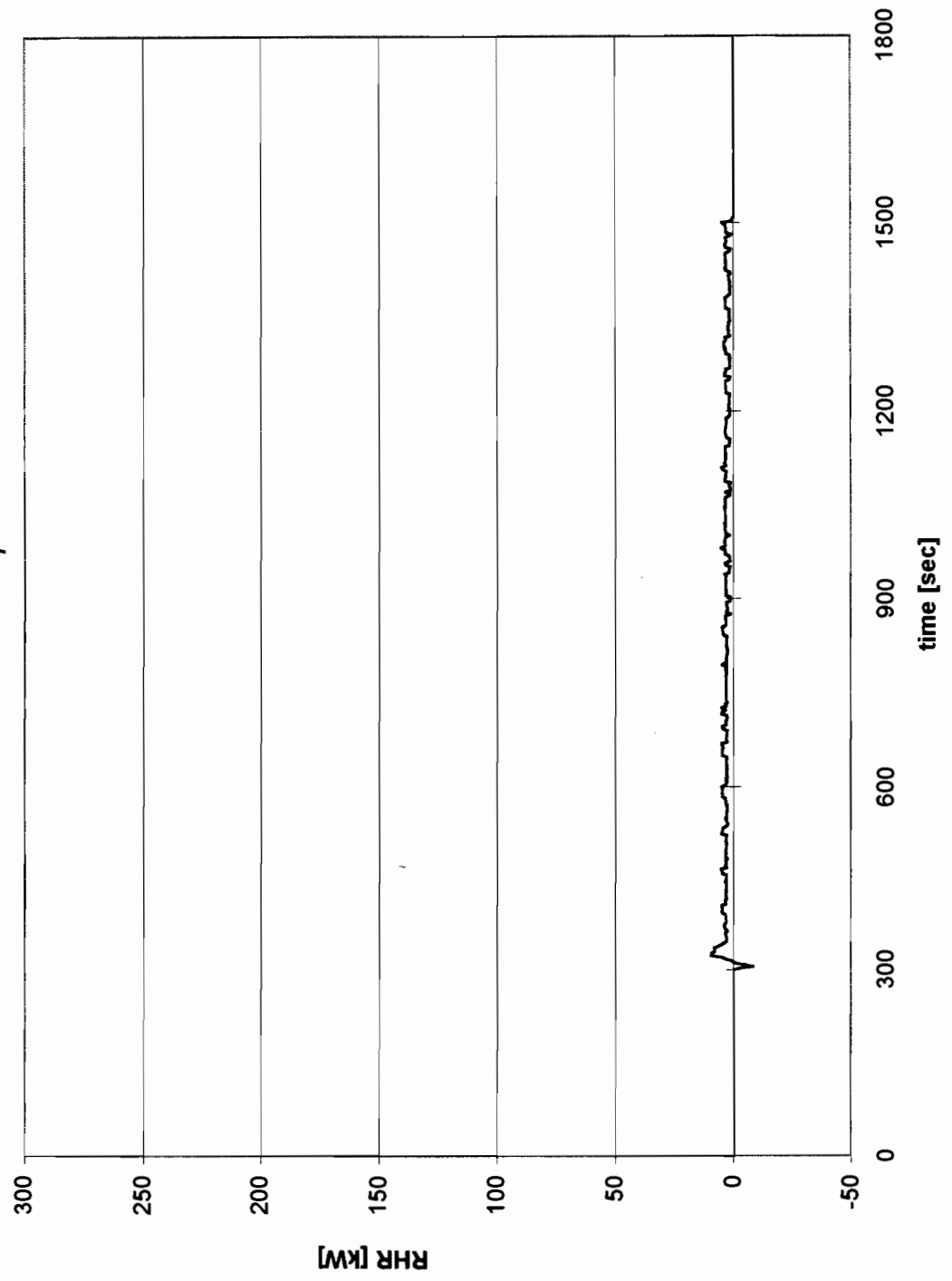
M28

1

21.08.97

v 4.1; 4 July '97

### RHR sample



L04

M28

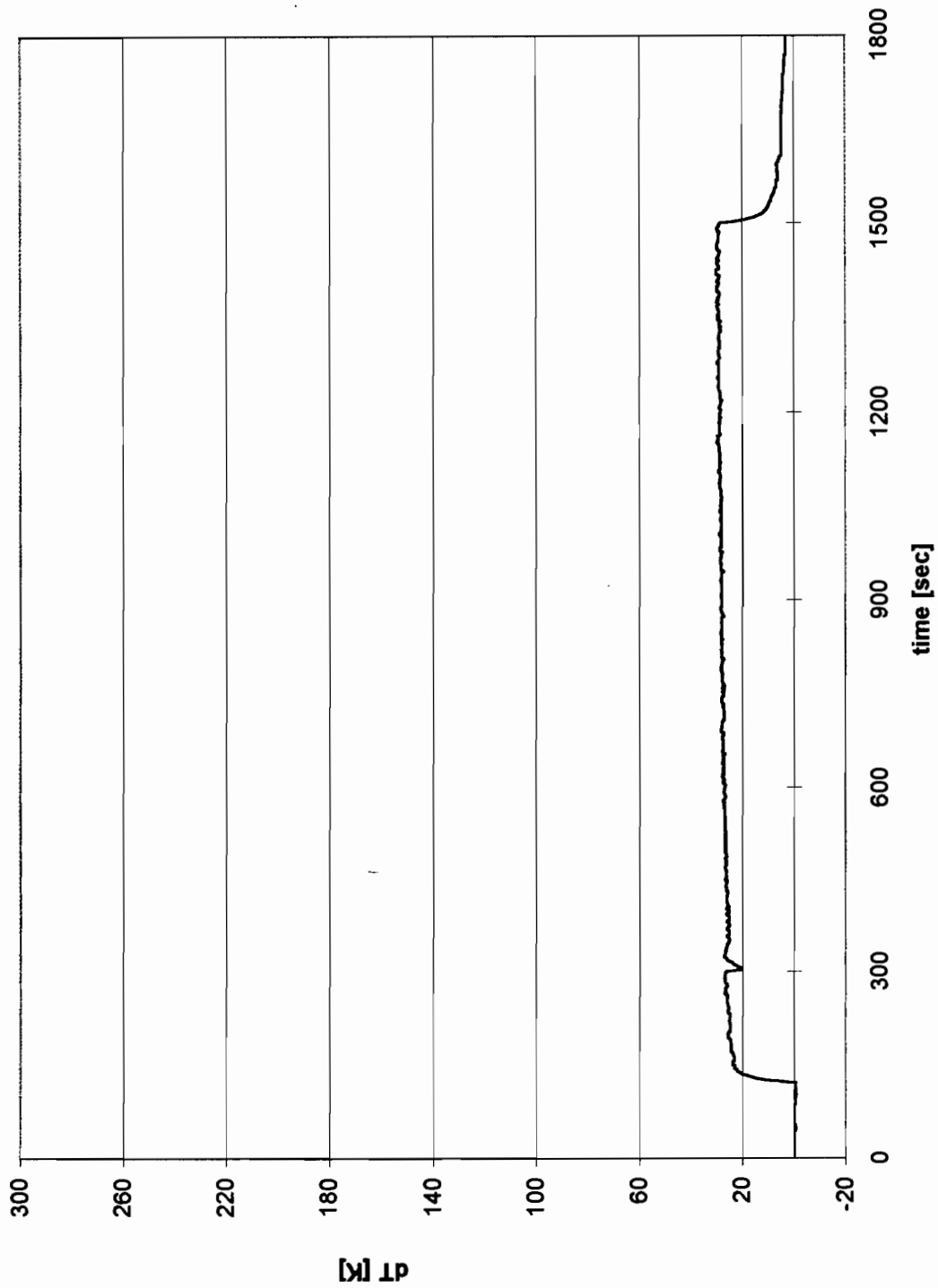
3

25.08.97

v 4.1; 4 July '97



# Temperature rise



L04

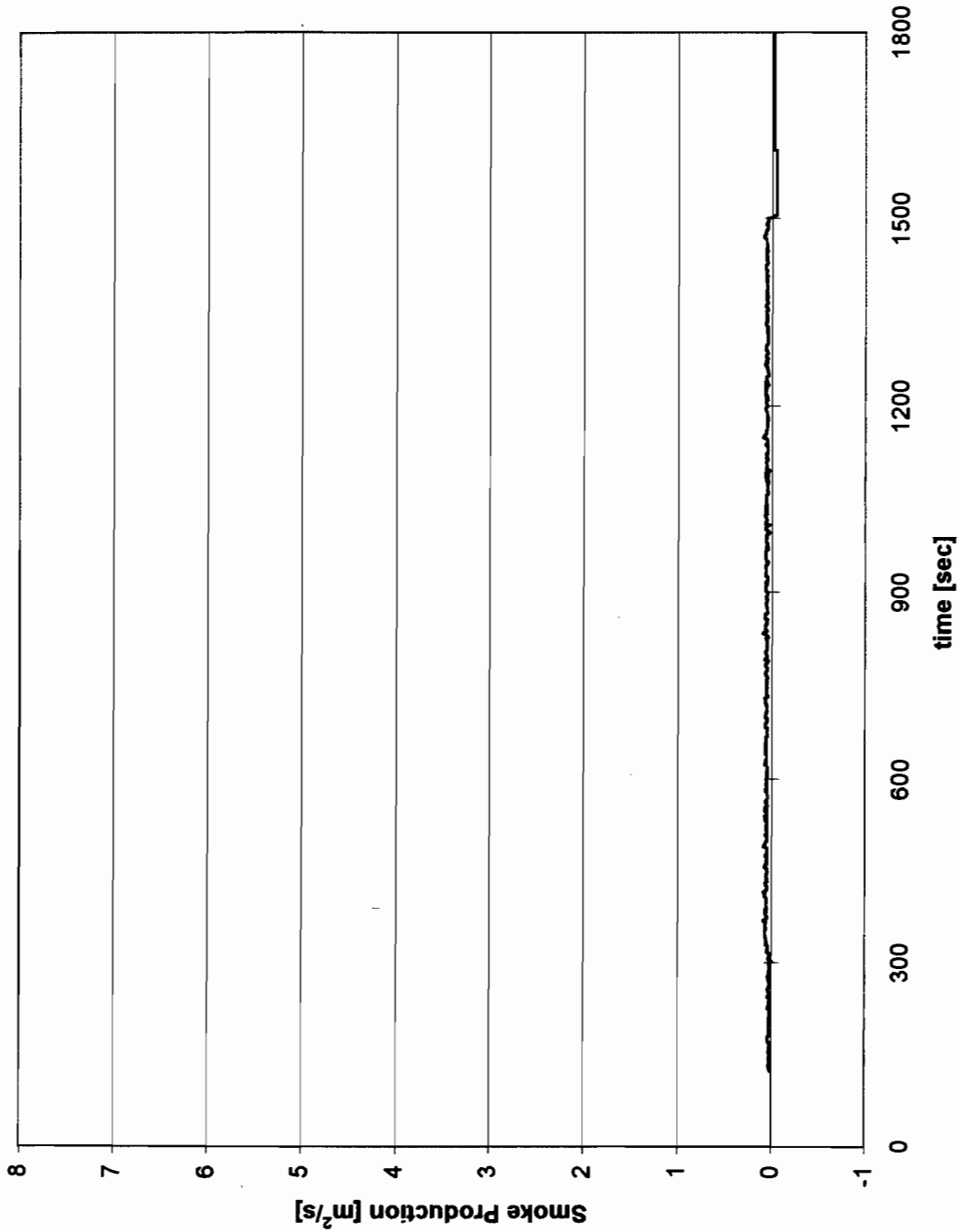
M28

3

25.08.97

v 4.1; 4 July '97

# Smoke Production



L04

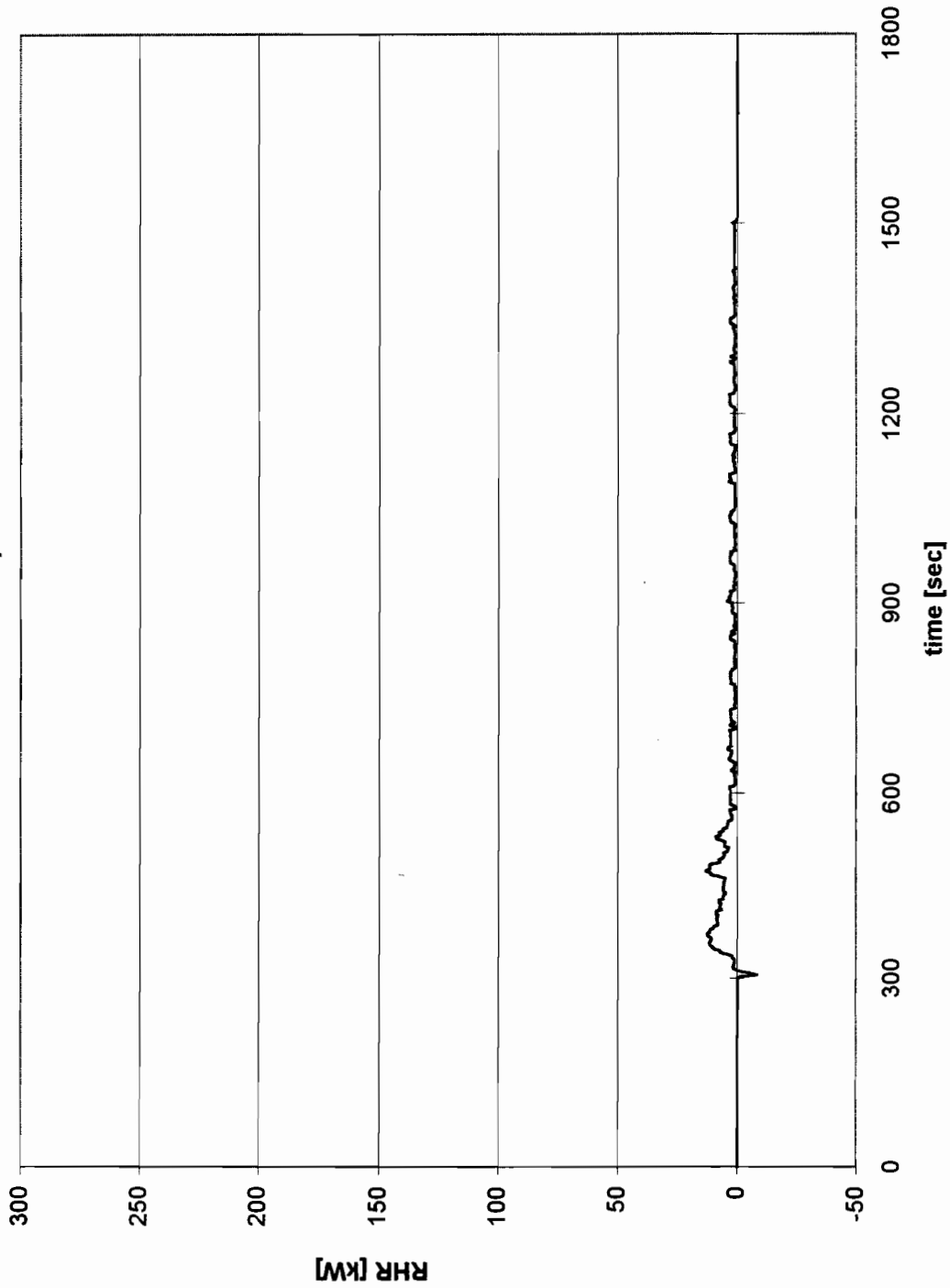
M28

3

25.08.97

v 4.1; 4 July '97

### RHR sample



L04

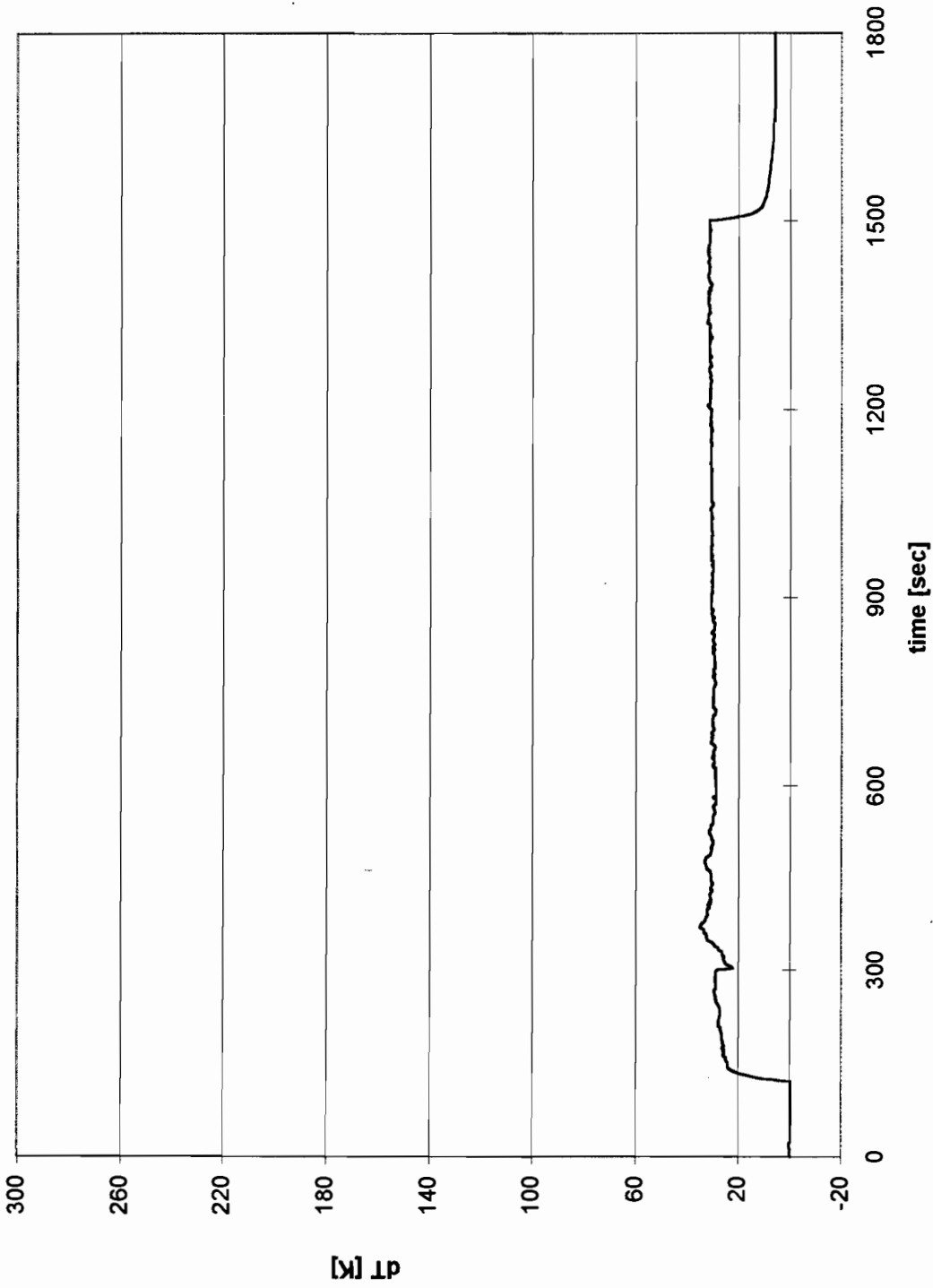
M29

1

04.08.97

v 4.1; 4 July '97

# Temperature rise



L04

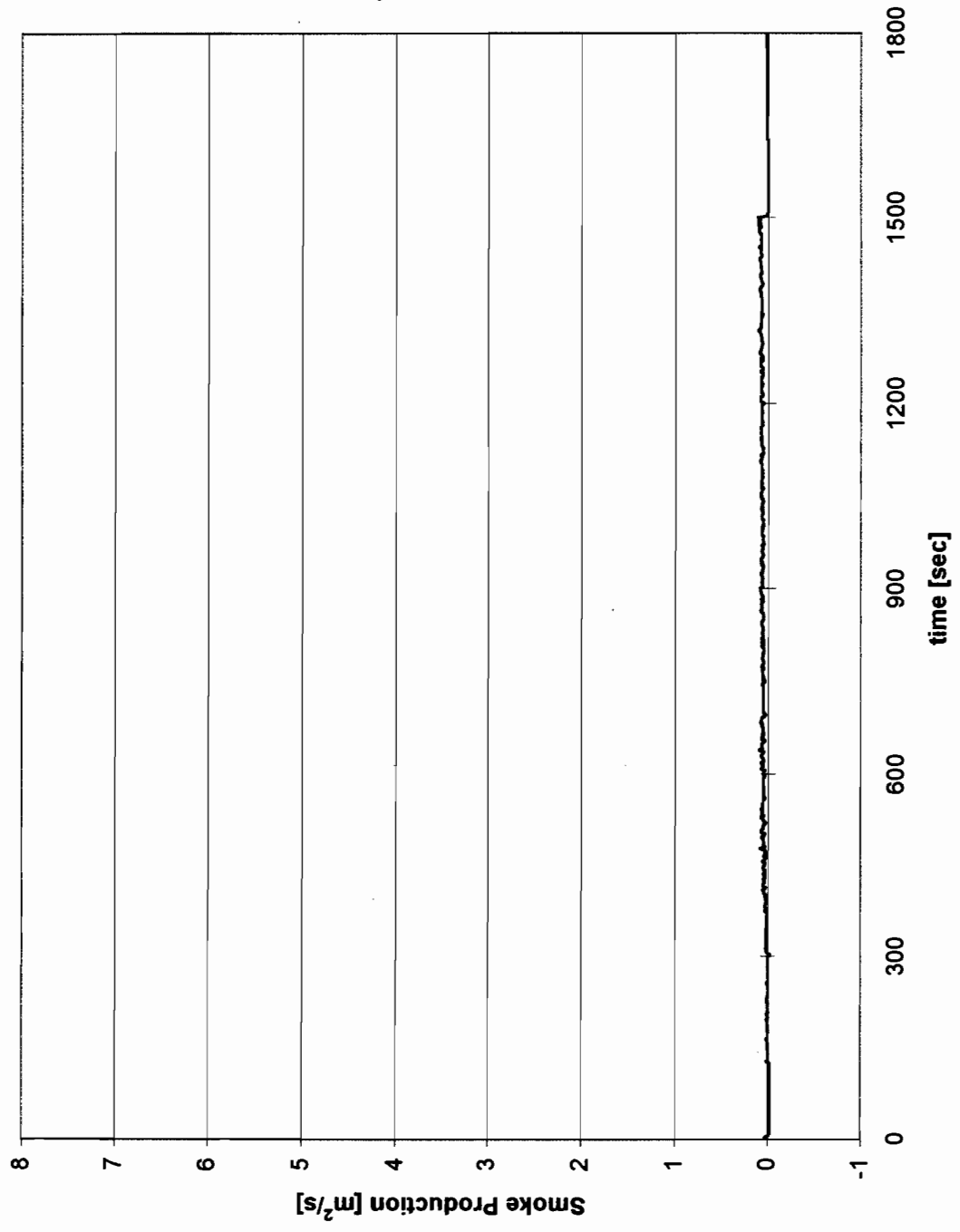
M29

1

04.08.97

v 4.1; 4 July '97

# Smoke Production



L04

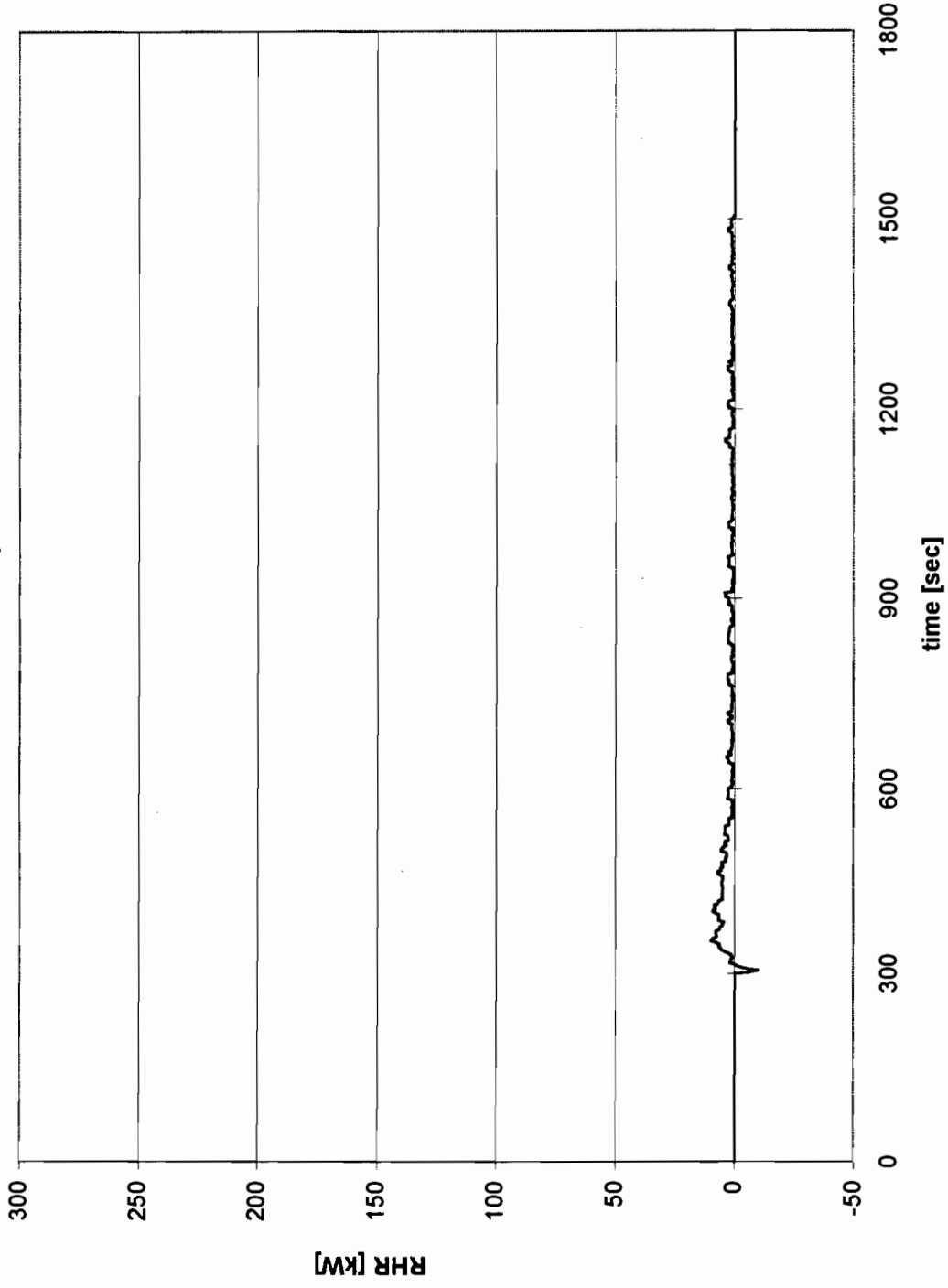
M29

1

04.08.97

v 4.1; 4 July '97

*RHR sample*



L04

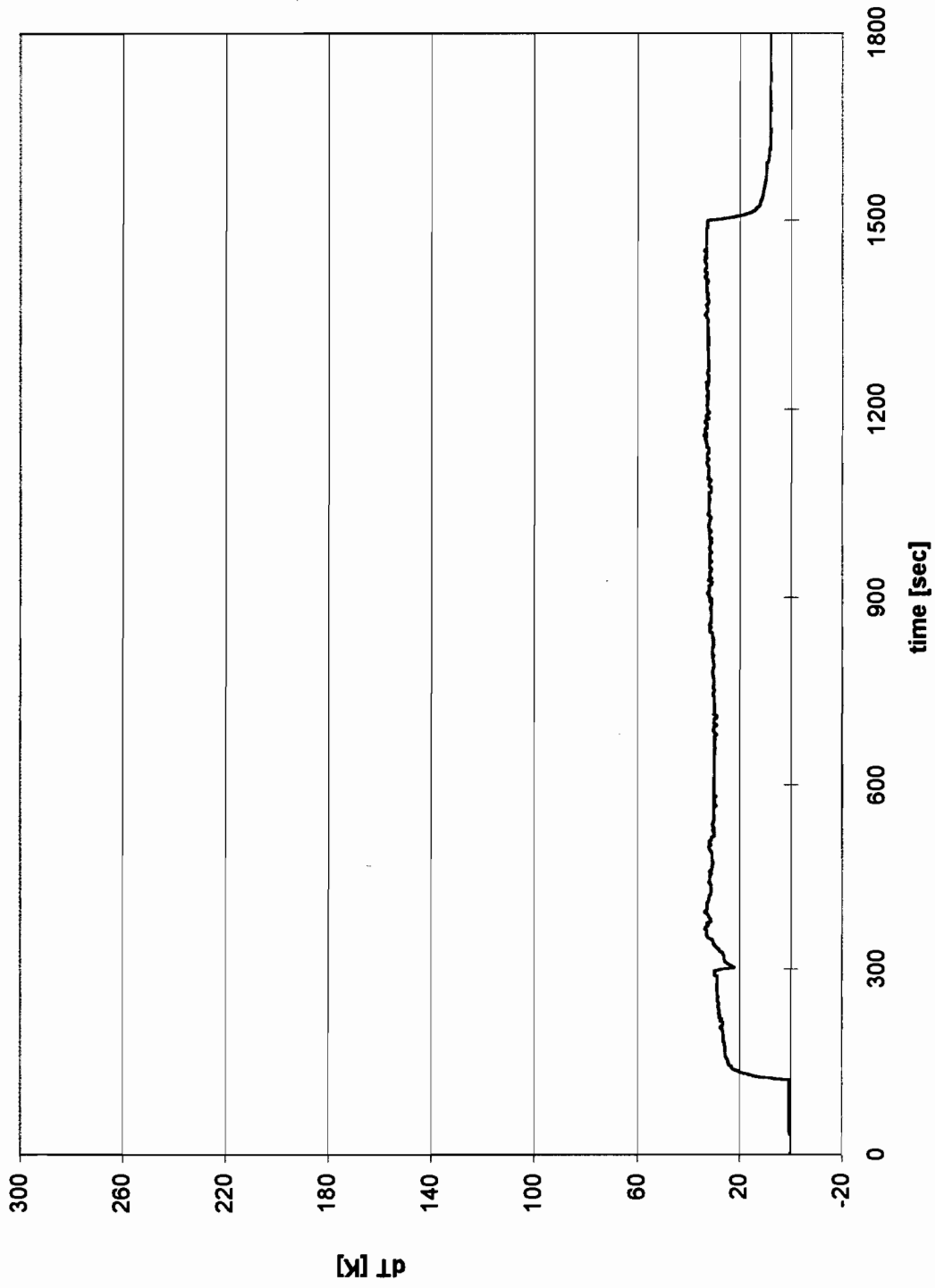
M29

2

04.08.97

v 4.1; 4 July '97

# Temperature rise



L04

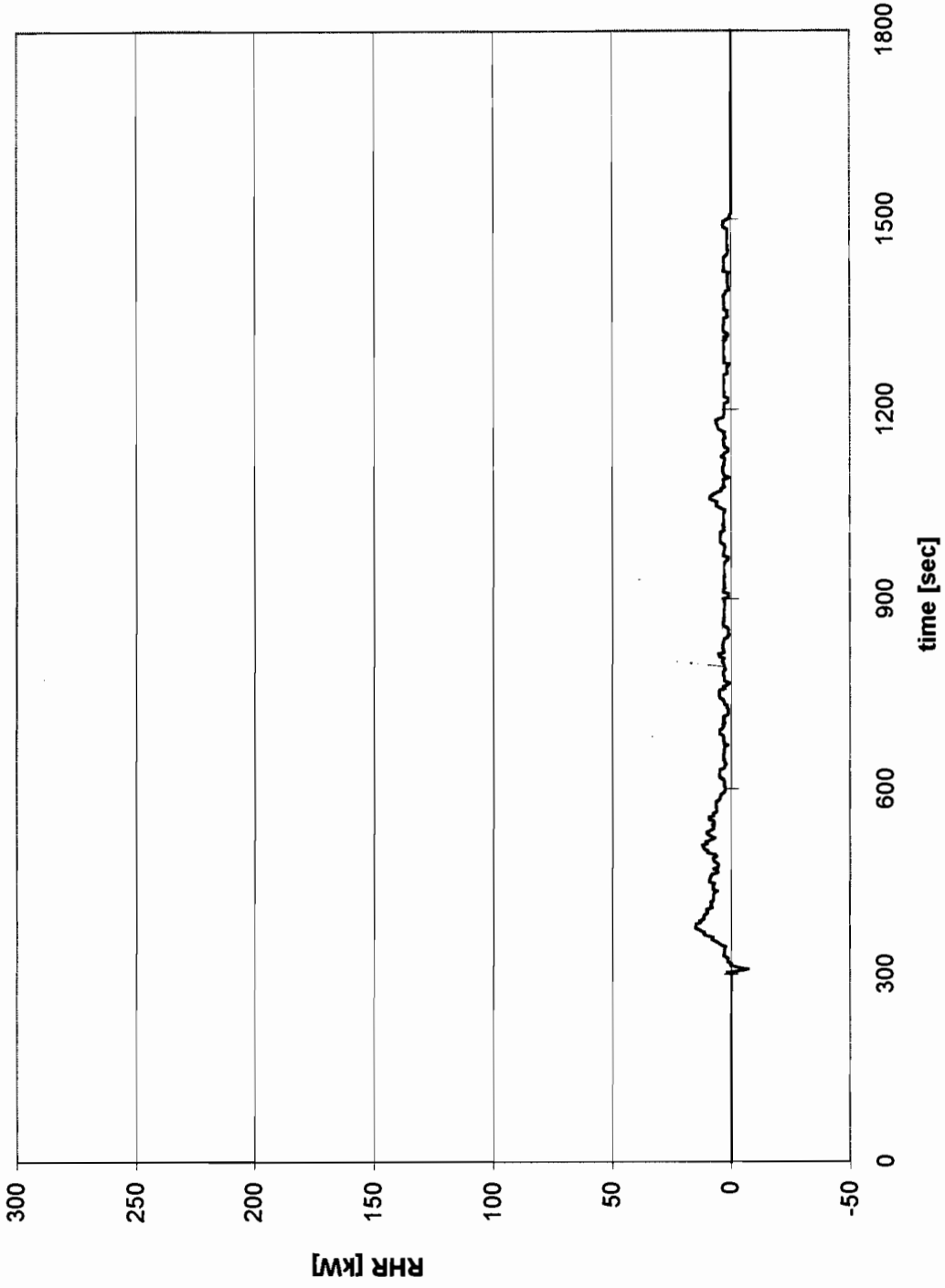
M29

2

04.08.97

v 4.1; 4 July '97

### RHR sample



L04

M29

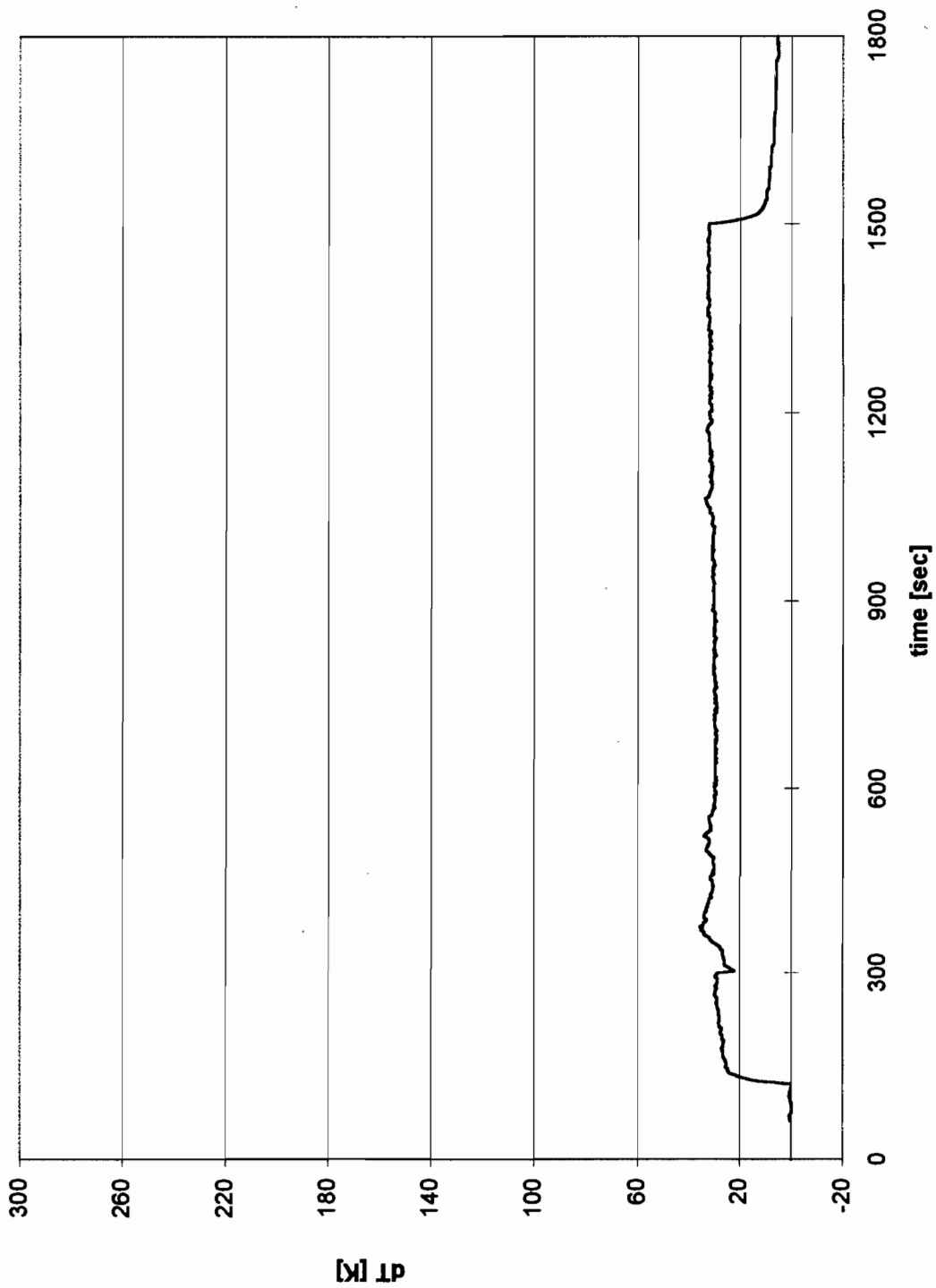
3

04.08.97

v 4.1; 4 July '97



# Temperature rise



L04

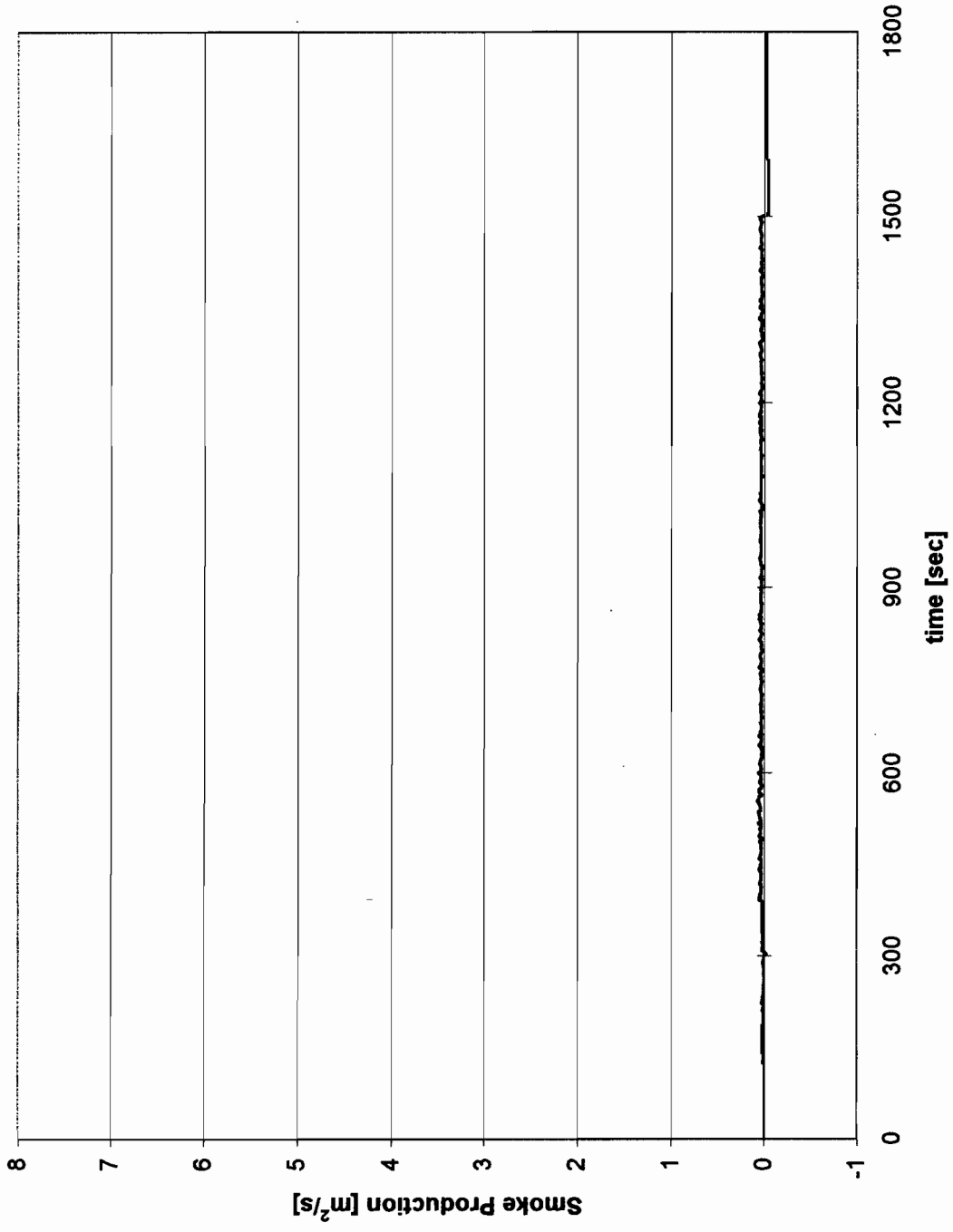
M29

3

04.08.97

v 4.1; 4 July '97

# Smoke Production



L04

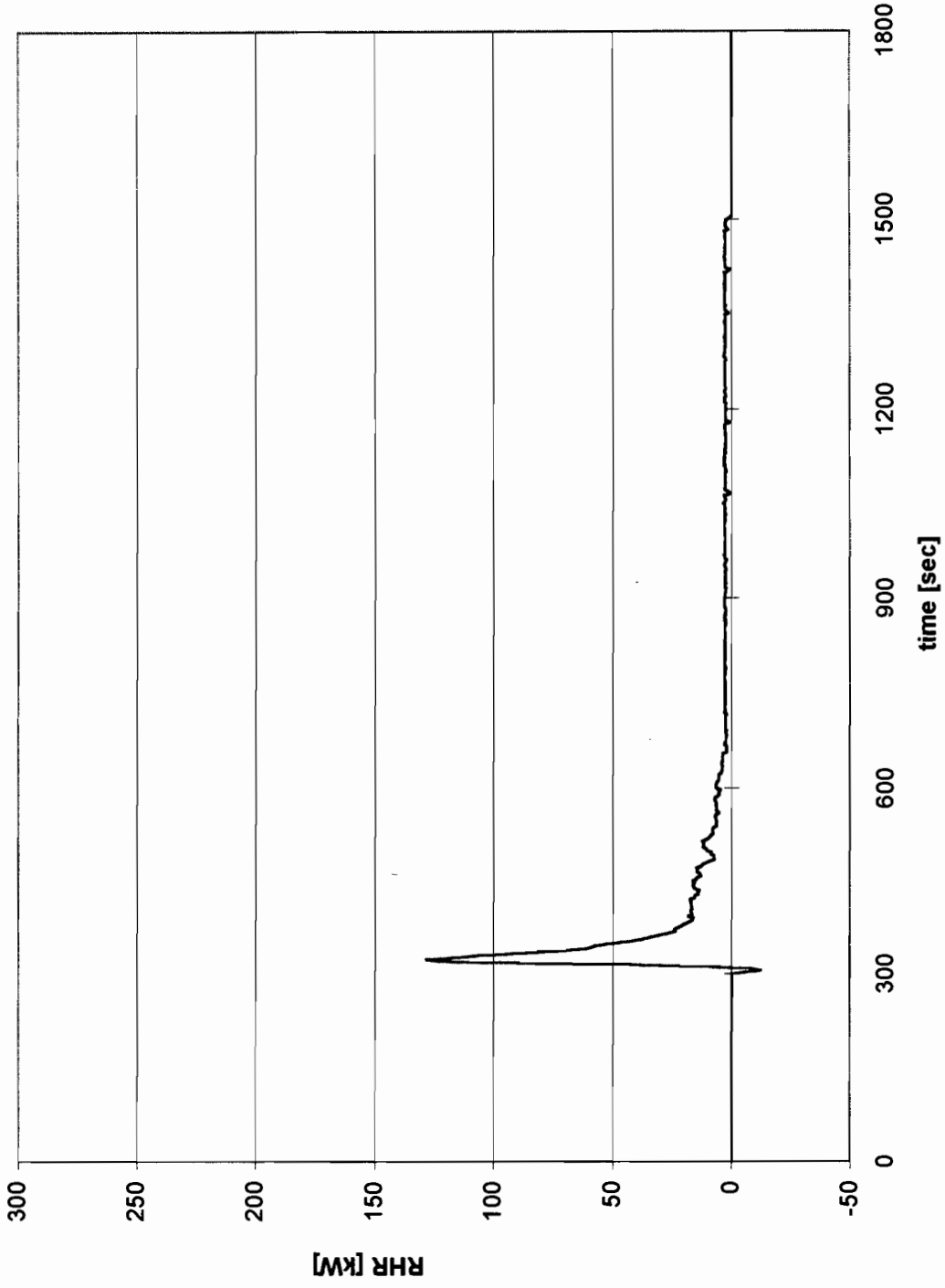
M29

3

04.08.97

v 4.1; 4 July '97

*RHR sample*



L04

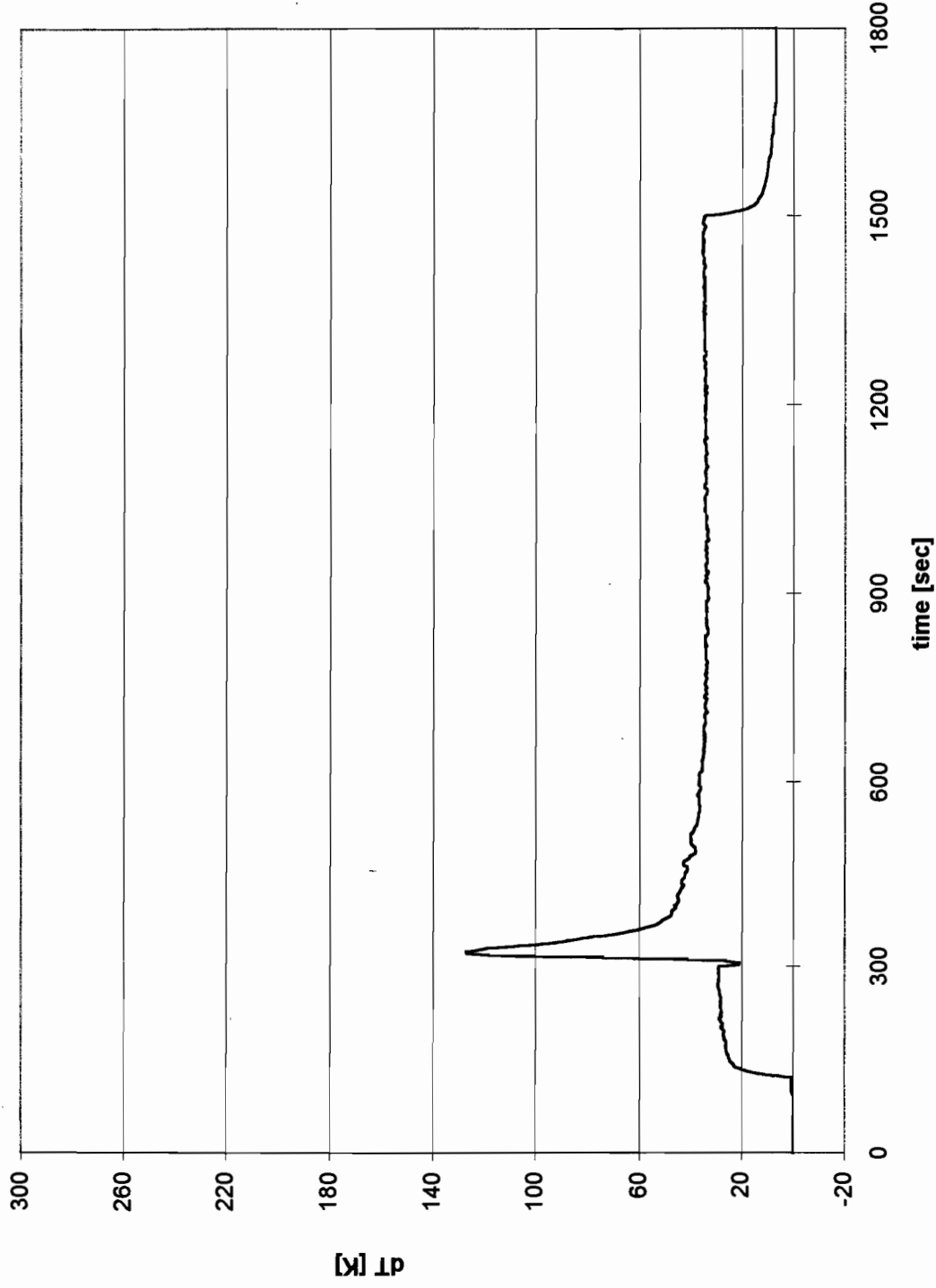
M30

1

26.08.97

v 4.1; 4 July '97

### Temperature rise



L04

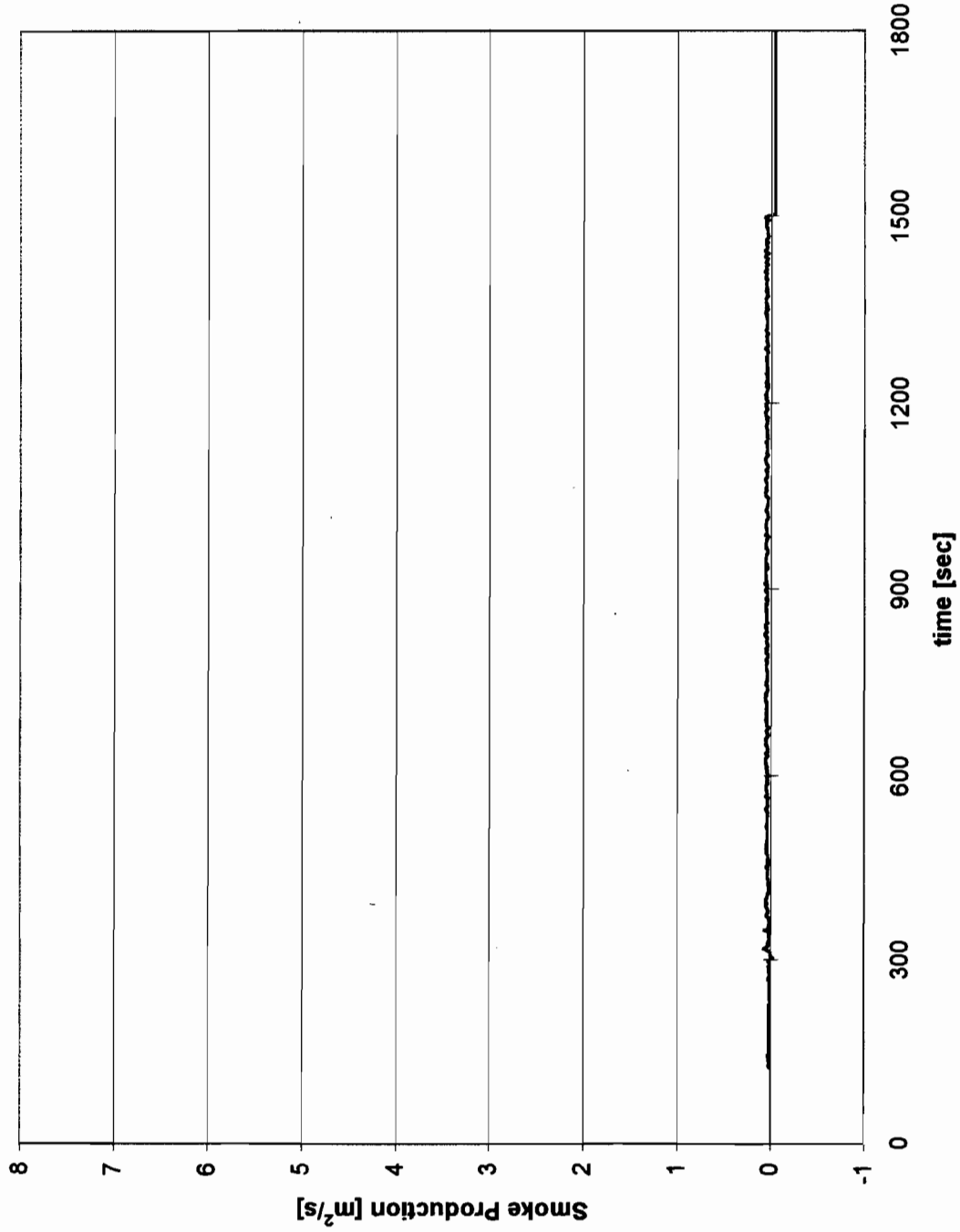
M30

1

26.08.97

v 4.1; 4 July '97

# Smoke Production



L04

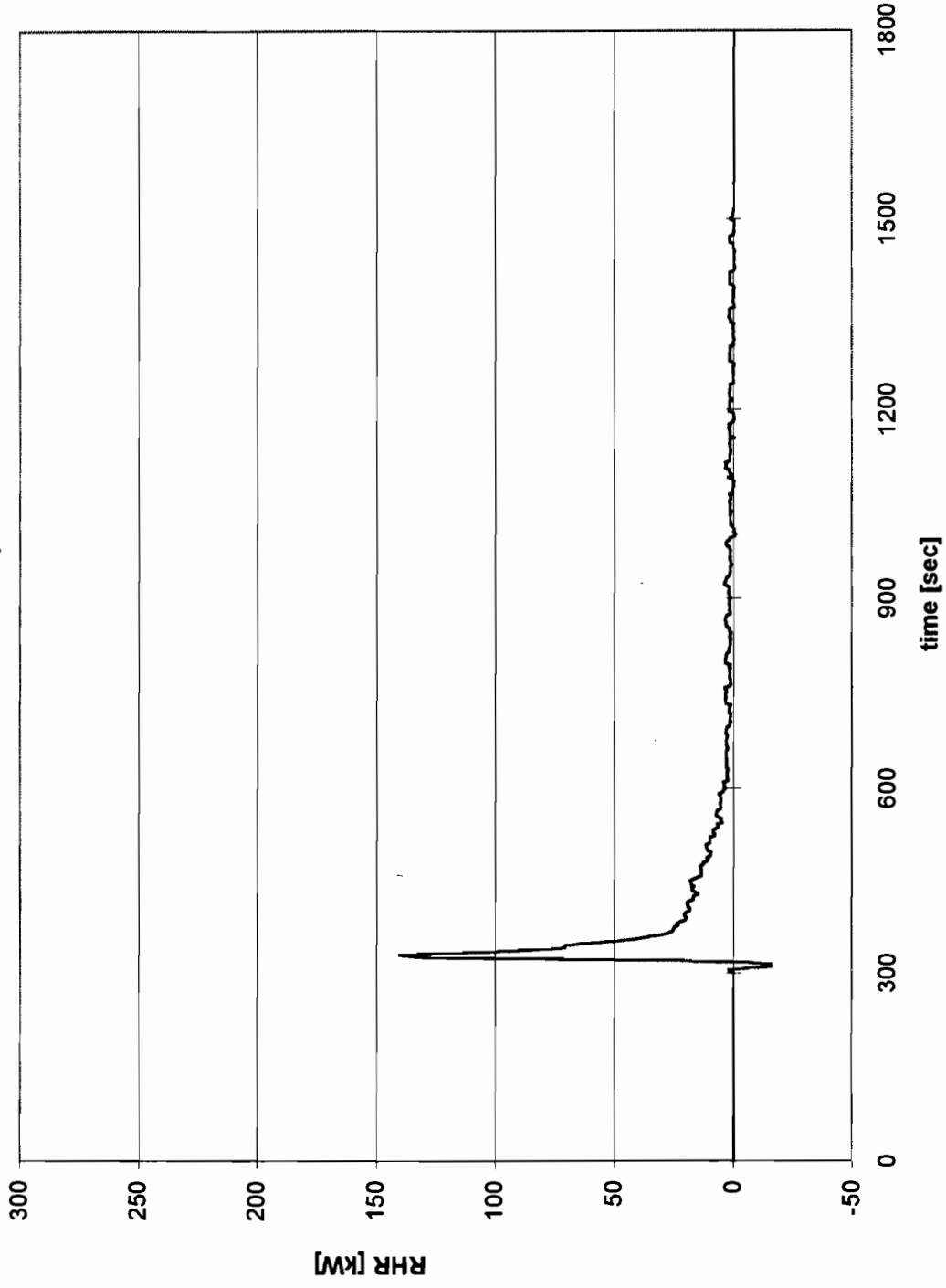
M30

1

26.08.97

v 4.1; 4 July '97

### RHR sample



L04

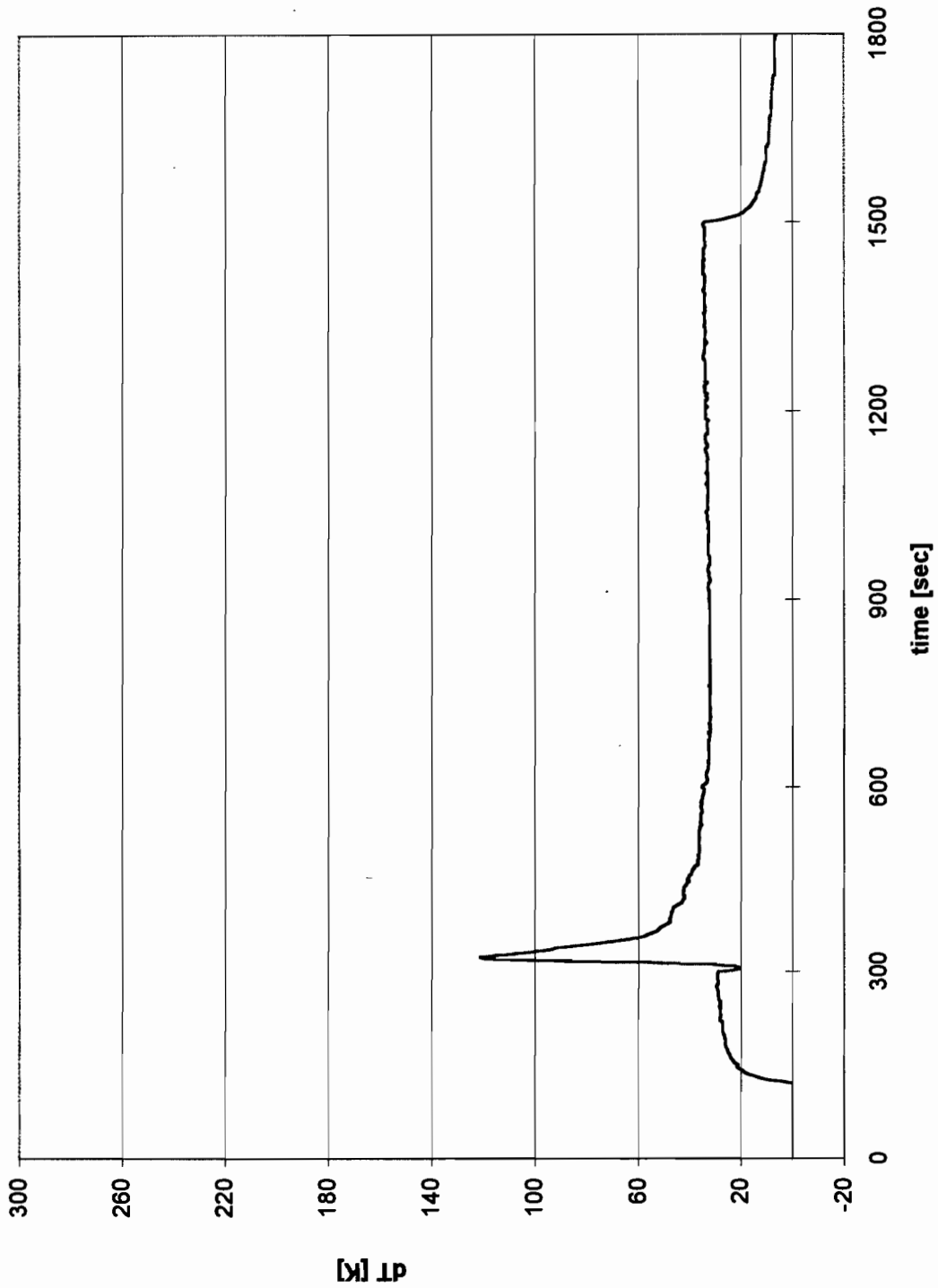
M30

2

03.09.97

v 4.1; 4 July '97

*Temperature rise*



L04

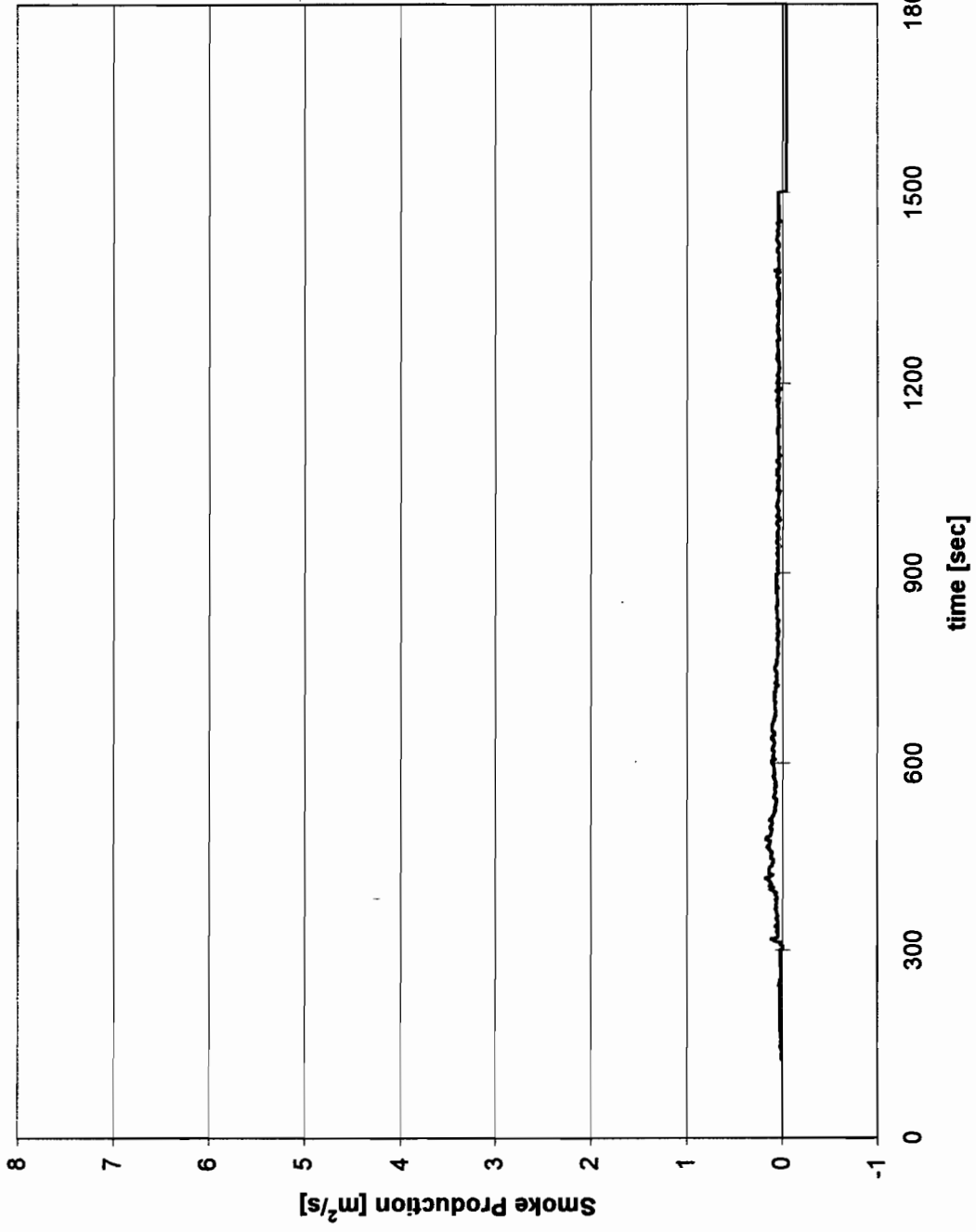
M30

2

03.09.97

v 4.1; 4 July '97

# Smoke Production



L04

M30

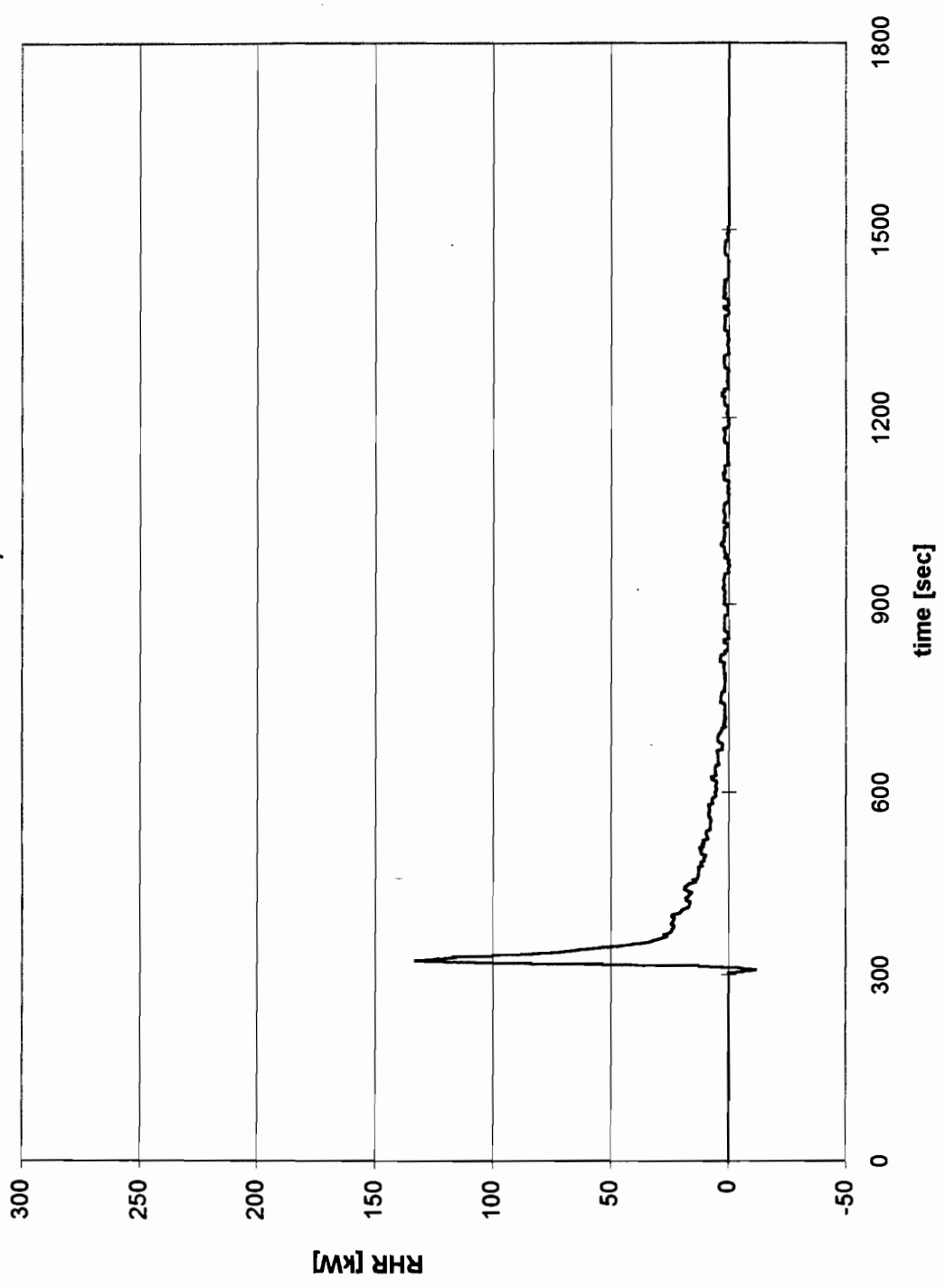
2

03.09.97

v 4.1; 4 July '97



*RHR sample*



L04

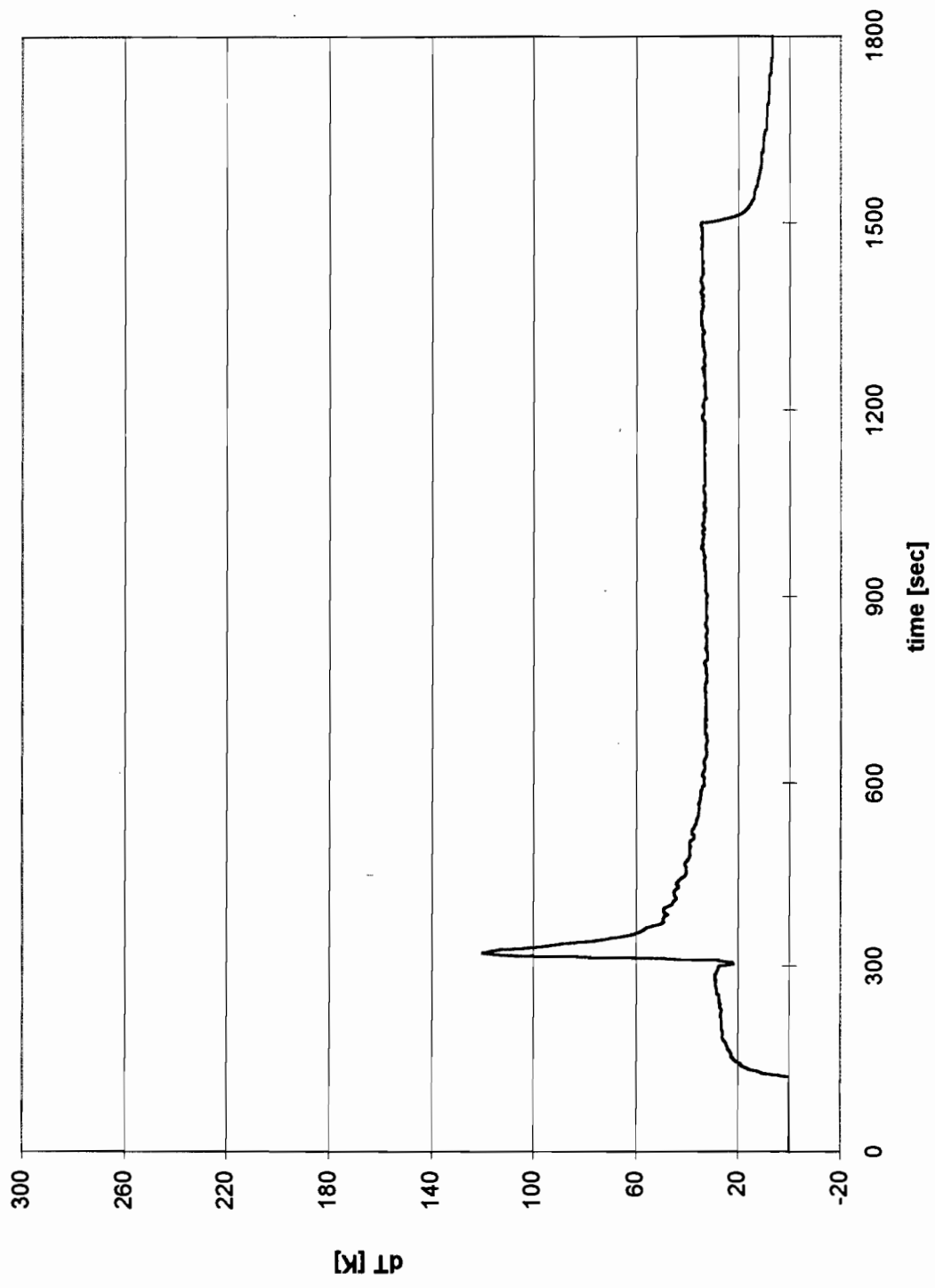
M30

3

03.09.97

v 4.1; 4 July '97

# Temperature rise



L04

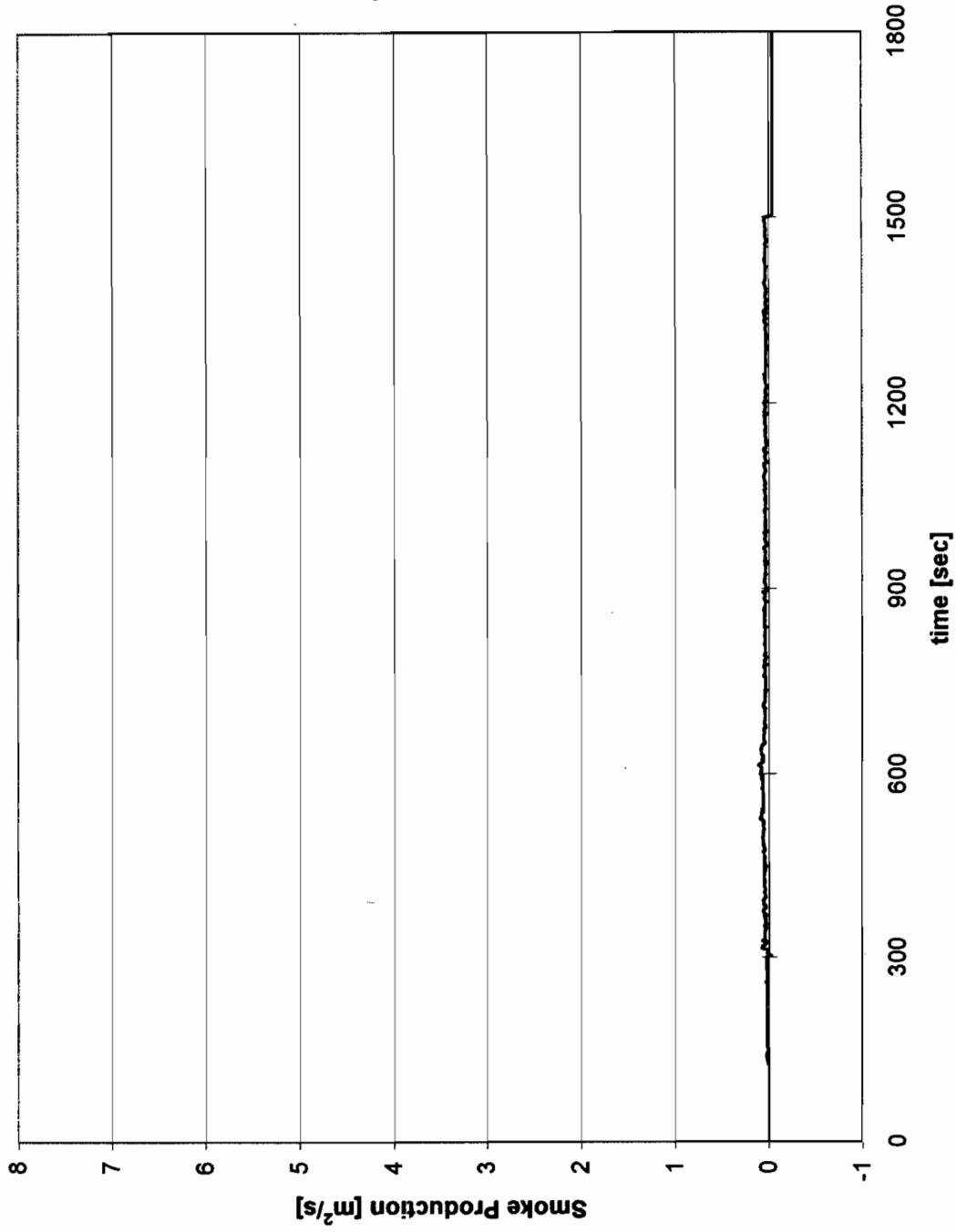
M30

3

03.09.97

v 4.1; 4 July '97

# Smoke Production



L04

M30

3

03.09.97

v 4.1; 4 July '97