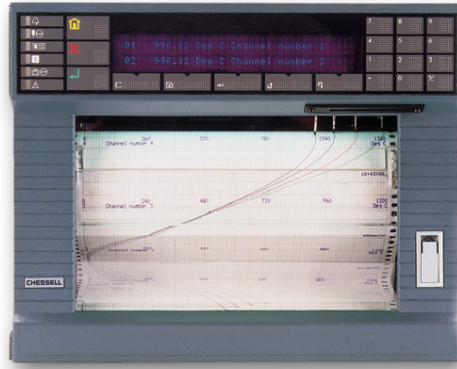


# 4250C

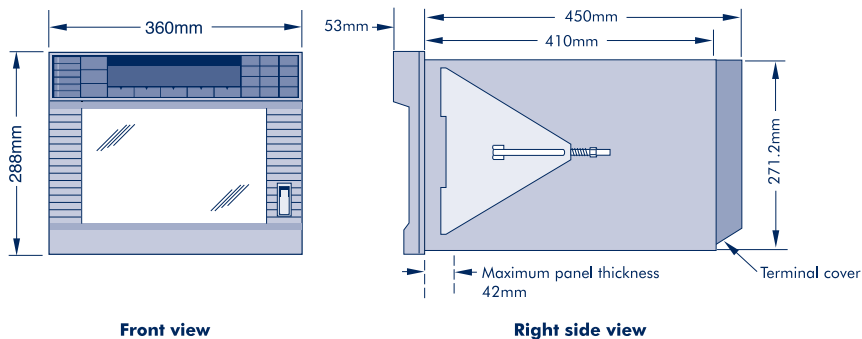
## 250mm Continuous Trace Chart Recorder



The model 4250C is a 1, 2, 3 or 4 pen, 250mm chart width, continuous trace recorder. The 4250C is designed to meet the rigorous requirements of an industrial environment, and is ideal for production or test purposes. A wide range of powerful options are available, including maths pack, serial comms, data archiving to memory card, and high speed annotation.

### Features

- up to 4 continuous writing pens
- optional high speed annotation
- 80 character, vacuum fluorescent display
- English, German or French language
- data storage to PC memory card
- high Speed (4 Hz) scanning of all inputs
- optional powerful maths capabilities
- PC software configurator



Front view

Right side view

### Options

**Chart** – 22m z-fold or 32m roll.

**Relays** – changeover.

**Serial Communications** – Modbus® RTU, EI Bisynch slave communications up to 19200 baud.

**Annotation** – high speed text annotation to the chart.

**Memory Card** – storage of data and configurations to industry standard PC memory card.

**Simple Maths** – advanced maths includes 6 totalizers, timers, counters.

**Totalizers, Timers and Counters** – for common process requirements.

**Pen offset compensation** – synchronizes all the traces onto the same time-line.

**Portable** – a carrying handle is available for portable use.

### Specifications

#### Chart type:

22 meter z-fold/32m roll

#### Protection:

IP54 (door and bezel)

#### Scan rate:

4 Hz

#### Pen traverse time:

0.5 secs to within 2%; 1 sec to within 0.1%

#### Input types:

Thermocouple: B, C, E, J, K, L, N, R, S, T, U, Ni/NiMo, RTD (2/3-wire) PT100, PT1000, Ni100, Ni120, Cu10, dcmV, dcV, dc mA (with shunt)

#### Max chart speed:

7200 mm/hr

#### Max power consumption:

120W

#### Temperature limits:

Operation 0-50°C

#### Humidity limits :

Operation 5 to 80% RH non-condensing

#### Literature:

HA027610 Paper Based Recorders

HA027957 Specification Sheet.



## Ordering codes

4250C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
							3							0		

1	Number of Pens
1	1 pen
2	2 pens
3	3 pens
4	4 pens

2	No. of 8 Channel Universal Input Boards
0	None
1	1 Board (8 channels)
2	2 Boards (16 channels)
3	3 Boards (24 channels)
4	4 Boards (32 channels)

3	No. of 16 Channel DC Input Boards
0	None
1	1 Board (16 channels)
2	2 Boards (32 channels)
3	3 Boards (48 channels)

4	Qty of 250 ohm Shunts
00	Qty of 250 ohm shunts

5	Qty of 100 ohm Shunts
00	Qty of 100 ohm shunts

6	Qty of 250:1 Attenuators
00	Qty of 250:1 attenuators
<i>The 250:1 attenuator provides better accuracy and replaces the 100:1 attenuator</i>	

7	Window Material
3	Polycarbonate

8	Supply Voltage
1	90-130Vac (50/60Hz)
2	190-260Vac (50/60Hz)

9	Chart Type
1	22 meter z-fold
2	32 meter roll

10	No. of Relay Output Boards
0	None
1	1 Board (8 relays)
2	2 Boards (16 relays)
3	3 Boards (24 relays)
4	4 Boards (32 relays)
5	5 Boards (40 relays)
6	6 Boards (48 relays)
7	7 Boards (56 relays)

11	Mounting
0	Panel mounting
1	Bench/portable

12	Communications
0	No host communications
1	Host communications

13	Annotation
0	Not fitted
1	Annotation

15	No. 8 Channel Analog Output Boards
0	None
1	1 Board (8 channels)
2	2 Boards (16 channels)
3	3 Boards (24 channels)
4	4 Boards (32 channels)

16	No. 4 Channel Analog Output Boards
0	None
1	1 Board (4 channels)
2	2 Boards (8 channels)
3	3 Boards (12 channels)
4	4 Boards (16 channels)
5	5 Boards (20 channels)
6	6 Boards (24 channels)
7	7 Boards (28 channels)

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
				0	0		0					0				0					X	X	

17	Memory Card Driver
0	Driver not fitted
1	Driver fitted

18	Memory Card
<i>Needs driver - item 17</i>	
0	None
1	256K memory card
3	2M memory card

19	Memory Card Software
<i>Needs driver - item 17</i>	
0	Configuration save/restore
1	ASCII data logging
3	Packed data logging

20	Maths Pack Option
1	Level 1 (basic functions)*
2	Level 2 (advanced functions)*
<i>*8 maths channels</i>	
<i>Basic maths fitted as standard.</i>	
<i>Advanced maths pack includes 6 totalizers, timers and counters</i>	

23	Remote CJC
0	Not fitted
1	Remote CJC socketed (note 1)
2	HTM2010 (notes 1 and 2)
3	Remote CJC No sockets

25	PC Configuration Software
0	Not required
1	Software supplied

26	Pen Offset Compensation
0	Not required
1	Pen offset compensation

27	Factory Configuration
0	Not required
1	Basic
2	Advanced (note 3)

28	Case & Door Color
0	Eurotherm green
1	Grey
2	Black

30	Manual Language
0	English
1	French
2	German

31	Customer Logo (Door Label)
00	Eurotherm USA
01	Eurotherm
02	Eurotherm France
10	Eurotherm Germany

32	Number of Chart Divisions
100	100
120	120
140	140
150	150

34	Additional Information
0	None
2	CUL
3	Customer inspection

35	Calibration Certificates
0	Not required
A	Cal cert 8 channels
B	Cal cert 16 channels
C	Cal cert 24 channels
D	Cal cert 32 channels
E	Cal cert 40 channels
F	Cal cert 48 channels

36	Legends
<i>Engraved/stencilled</i>	
0	None
1	Stencilled legend
2	Standard tag
3	Stainless steel tag
4	Legend & std tag
5	Legend & s/steel tag

37	Fixed Digit
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39	CJC Loom Qty Type T
00	Number of type T T/Cs

40	41	42	43	44
			0	0

40	CJC Loom Qty Type mV
00	Number of mV looms (note 1)

43	CJC Loom Qty Type N
00	Number of type N T/Cs (note 1)

41	CJC Loom Qty Type K
00	Number of type K T/Cs (note 1)

44	CJC Loom Qty Type J
00	Number of type J T/Cs (note 1)

### NOTE:

1. A total of 23 sockets can be fitted to the remote cold junction option. Any combination of mV and/or thermocouple types can be specified using fields 39-44.
2. Requires a 4 channel Analog O/P Board (field 16).
3. Request for advanced configuration should be submitted to either our Applications Engineer or Field Service Department, and will be charged at Daily Rates.

### Example ordering code

4250C-2-1-0-00-00-00-00-3-2-1-0-0-0-1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-01-100-0-0-0-0-X-X-00-00-00-00-00

4250C default order code



can be ordered through our website  
<http://store.chessell.com/>