

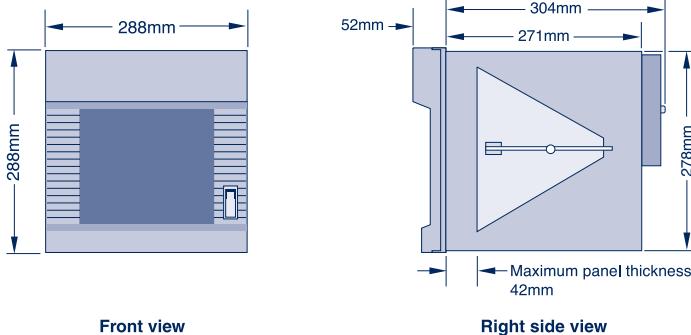
4181G High Specification 180mm Graphic/Paper Recorder



The model 4181G is a high specification intermediate size recorder providing all the functions of the most sophisticated instrument within a 180mm format. A range of powerful options allow maths calculations, serial communications, data archiving, etc. These features combine to provide operators and supervisors the widest range of management information available.

Features

- high quality TFT full VGA touch screen display
- up to 48 inputs
- optional integral printer for up to 24 traces
- text annotation as standard
- data archiving up to 256Mb to PC card
- Modbus® communications
- simple maths included
- optional powerful maths capabilities
- over 500 points available using remote I/O racks



Options

Relays – changeover for alarm outputs.

Serial communications – RS232/485, Modbus for connection to SCADA systems.

PC memory card – for archiving and historical analysis.

Maths pack – for simple or complex calculations.

Totalizers, Timers and Counters – for common process requirements.

Input cards – 8 Channel universal or 16 channel dc.

Portable – a robust carrying handle is available.

Specifications

Protection:

IP54 (Display and Bezel)

Archiving:

Up to 256Mb PC memory card for storage of data or configuration

Input types:

Dc mV, dc V, dc mA

Thermocouple: B, C, E, J, K, L, N, R, S, T, U, Ni/NiMo, Platinel II, RTD (2/3 - wire) PT100, PT1000, Ni100, Ni120, Cu10

Max power consumption:

130W

Temperature limits:

Operation 0-40°C

Humidity limits:

Operation 5 to 80% RH non condensing

Literature:

HA027956 4181G Specification Sheet



Ordering codes

4181G	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	0												0	0		

1 Fixed Digit

2 No. of 8 Channel Universal Input Boards

- 0 None
 - 1 1 Board (8 channels)
 - 2 2 Board (16 channels)
 - 3 3 Board (24 channels)
- Maximum of 3 cards can be fitted to this instrument*

3 No. of 16 Channel DC Input Boards

- 0 None
- 1 1 Board (16 channels)
- 2 2 Board (32 channels)
- 3 3 Board (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
- The 250:1 attenuator provides better accuracy and replaces the 100:1 attenuator*

7 Door Type

- 5 IP54 style

8 Supply Voltage

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

9 Chart Type

- 0 No writing system
- 1 22 meter z-fold

10 No. of Relay Output Boards

- 0 No relay cards
- 1 1 Board (8 relays)
- 2 2 Boards (16 relays)
- 3 3 Boards (24 relays)

11 Mounting

- 0 Panel mounting
- 1 Bench/portable

12 Communications Graphics

- 0 None
- 1 Modbus + (XIODCL) comms

15 No. 8 Channel Analog Output Boards

- 0 None
- 1 1 Board (8 channels)
- 2 2 Boards (16 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)

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1				0			0									0				

18 Memory Card

- 0 No memory card supplied
- H 16 Mb flash ATA card
- J 32 Mb flash ATA card
- K 64 Mb flash ATA card
- L 256 Mb flash ATA card

19 Memory Card Software

- 0 Configuration save/restore
- 1 ASCII data logging
- 3 Packed data logging

20 Maths Pack Option

- 1 Level 1 (basic functions)
 - 3 Continuous emissions monitoring
- Continuous emission monitoring includes advanced maths pack with 12 totalizers, timers and counters

23 Remote CJC

- 0 Not fitted
- 1 Remote CJC socketed (note1)
- 2 HTM2010 (note1)
- 3 Remote CJC No sockets

25 PC Configuration Software

- 0 Not required
- 1 Software supplied

27 Factory Configuration

- 0 Not required
- 1 Basic
- 2 Advanced (note 3)

28 Case & Door Color

- 0 Eurotherm green
- 1 Grey
- 2 Black

29 Additional Trend Memory

- 0 Default no additional memory
- A Additional 10Mb memory

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

- 000 Chart not required
- 074 75
- 080 80
- 100 100
- 120 120

34 Additional Information

- 0 None
- 1 Additional information
- 2 CUL
- 3 Customer inspection
- 5 Add info & cust insp

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

- Engraved/stencilled
- 0 None
- 1 Stencilled legend
- 2 Standard tag
- 3 Stainless steel tag
- 4 Legend & std tag
- 5 Legend & s/steel tag

37 Options

- 000 None
- 001 Opt 001 high volt test
- 003 Short cover opt 003
- TRP Conformal coating

38	39	40	41	42	43	44
0				0	0	

39 CJC Loom Qty Type T

- 00 No. of type T T/Cs (note 1)

41 CJC Loom Qty Type K

- 00 No. of type K T/Cs (note 1)

43 CJC Loom Qty Type N

- 00 No. of type N T/Cs (note 1)

40 CJC Loom Qty mV

- 00 No. of mV looms (note 1)

42 Spare for Future Use

- 00

44 CJC Loom Qty Type J

- 00 No. of type J T/Cs (note 1)

NOTES:

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 our Field Service Department, and will be charged at Daily Rates.

Example ordering code

4181G - 0 - 1 - 0 - 00 - 00 - 00 - 00 - 5 - 2 - 1 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 1 - 0 - 0 - 0 - 0 - 0 - 000 - 0 - 00 - 00 - 00 - 00 - 00 - 00

4181G Default order code

Consumables

can be ordered through our website

<http://store.chessell.com/>