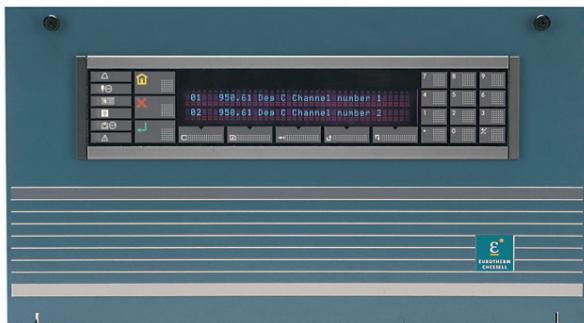


4000R

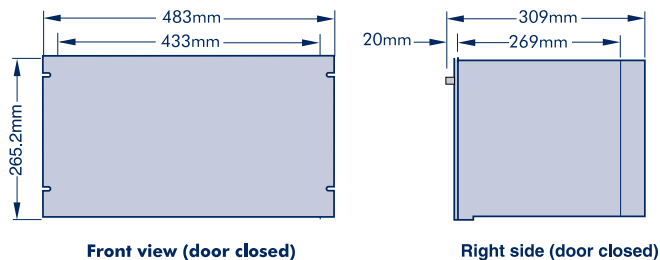
Universal Data Acquisition System



Features

- up to 96 inputs
- powerful alarm monitor
- low cost data acquisition
- connects to Eurotherm graphic display
- data archiving
- powerful maths capabilities
- Modbus® comms as standard

The model 4000R is a high specification data acquisition and alarm monitor providing all the functions of the most modern instrumentation. A wide range of features allow powerful maths calculations, serial communications, data archiving and alarm scanning. These features combine to provide the operator with the widest possible range of process information.



Options

Relays – changeover relay alarm outputs.

XIIDL – for connection to 4250G/4180G.

PC card – for archiving and historical analysis.

Maths pack – for simple or complex calculations.

Totalizers, Timers and Counters – for common process requirements.

8 Channel universal input or 16 channel dc input cards

Integral or remote vacuum fluorescent 2 line display panel

Specifications

Protection:

IP54

Archiving:

256kbyte to 6Mb PC memory card

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

Serial communications:

RS232/485, Modbus and EI Bi-Synch for connection to SCADA systems

Max power consumption:

120W

Temperature limits:

Operation 0-50°C

Humidity limits:

Operation 5 to 80% RH non-condensing

Literature:

IA247635 Overview Brochure

HP250877 Specification Sheet



Ordering codes

4000R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	0								0				0	0		

1 Fixed Digit 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) 5 5 Boards (40 channels) 6 6 Boards (48 channels) 7 7 Boards (56 channels) 8 8 Boards (64 channels) 9 9 Boards (72 channels) A 10 Boards (80 channels) B 11 Boards (88 channels) C 12 Boards (96 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 4 Board (64 channels) 5 5 Boards (80 channels) 6 6 Boards (96 channels)	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</i>	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) 4 4 Board (32 relays) 5 5 Boards (40 relays) 6 6 Boards (48 relays) 7 7 Board (56 relays) 8 8 Boards (64 relays) 9 9 Boards (72 relays)	15 No. 8 Channel Analog Output Boards 0 None 1 One 8 ch analog O/P 2 Two 8 ch analog O/P 3 Three 8 ch A/O pcb 4 Four 8 ch A/O pcb 5 Five 8 ch A/O pcb
4 Qty of 250 ohm Shunts 00 Qty of 250 ohm shunts	7 Display Type 0 No display 1 Integral display 2 Remote panel mounting 3 Remote wall mounting	8 Supply Voltage 1 90-130Vac (50/60Hz) 2 190-260Vac (50/60Hz)	11 Mounting 0 Panel mounting 3 Rack mounting	16 No. 4 Channel Analog Output Boards 0 None 1 One 4 ch analog O/P 2 Two 4 ch analog O/P 3 Three 4 ch A/O pcb 4 Four 4 ch A/O pcb 5 Five 4 ch A/O pcb 6 Six 4 ch A/O pcb 7 Seven 4 ch A/O pcb 8 Eight 4 ch A/O pcb 9 Nine 4 ch A/O pcb
5 Qty of 100 ohm Shunts 00 Qty of 100 ohm shunts	9 Fixed Digit	12 Communications 1 RS232/485 host comms 2 4250D comms 3 4250D comms + Modbus		

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

17 Memory Card Driver 0 Driver not fitted 1 Driver fitted	20 Maths Pack Option 1 Level 1 (basic functions) 32 maths channels 3 Continuous emissions monitoring 96 maths channels, 12 totalizers, 12 counters and 12 timers 4 Quality monitoring (QM) 32 maths channels, 6 trace generators and 12 timers	25 PC Configuration Software 0 Not required 1 Software supplied	29 Fixed Digit	34 Additional Information 0 None 3 Customer inspection
18 Memory Card <i>Needs driver – item 17</i> 0 None 1 256K memory card 3 2M memory card	21 Fixed Digit	26 Fixed Digit	30 Manual Language 0 English 1 French 2 German	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 G Cal cert 56 channels H Cal cert 64 channels J Cal cert 72 channels K Cal cert 80 channels L Cal cert 88 channels M Cal cert 96 channels
19 Memory Card Software 0 None 1 ASCII data logging 3 Packed data logging 4 ASCII logging to 4250D 5 Packed data to 4250D	22 Fixed Digit	27 Factory Configuration 0 Not required 1 Basic 2 Advanced (note 1)	31 Customer Logo (Door Label) 00 Eurotherm USA 01 Eurotherm 02 Eurotherm France 10 Eurotherm Germany	36 Fixed Digit
23 Fixed Digit	28 Case & Door Color 0 Eurotherm green 1 Grey	32 Fixed Digit	33 Spare I/O Slot 0 I/O slot blanking plates fitted	37 Option 000 None TRP Conformal coating

NOTE:

1. Request for advanced configuration should be submitted to either our Application Engineer or Field Service Department, and will be charged at Daily Rates.

大连爱克新仪器有限公司

www.actionio.com.cn

辽宁省大连市中山区七七街23号海鹰大厦403室

电话:0411-82650498 传真:0411-82650478

Email: Sales@actionio.com.cn Support@actionio.com.cn


ACTION INSTRUMENTS
 ...the Industrial I/O Company