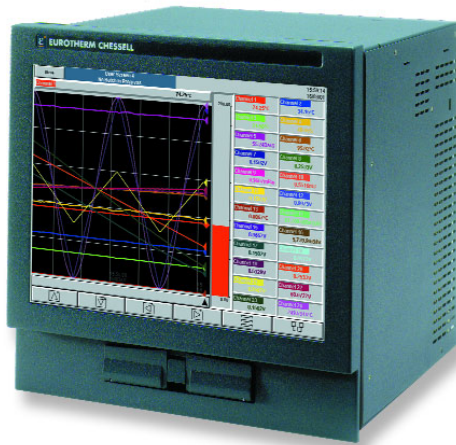
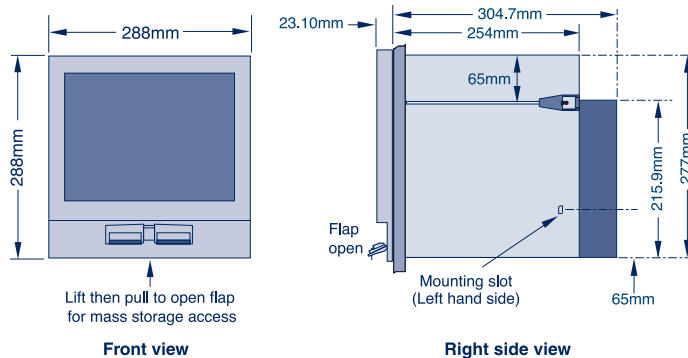


5180V 180mm Networked or Standalone Graphic Data Management Unit



For applications that require more than 12 inputs, or need greater screen visibility, the 5180V is the perfect solution. The instrument can take up to 48 inputs. As with all other 5000 Series the 5180V is a powerful network tool with Ethernet, FTP and Review software as standard - designed to provide optional flexibility for viewing or management of process data while maintaining security and integrity.



Options

Groups – allows inputs to be viewed and archived in a strategy that suits the process. With six Groups available this option also allows multiple batches to be recorded.

Batch 5000 – enables batch logging to be started and stopped by the operator with process specific data being recorded including operator name, time/date and up to six configurable batch specific fields.

Screen Builder – create up to six custom User Screens to make a specific display to meet process needs. HMI capability via Master Comms option.

Bridge 5000 – available in two versions, **Lite** and **Full**. Bridge **Lite** provides the user with remote, live viewing of the data from a PC anywhere. **Full** Bridge gives total access to the 5180V including viewing of data, operation and configuration.

Maths, Totalizers and Counters – up to 48 extra channels to further manage process data.

Timers – 12 timers to automatically sequence and trigger events.

Auditor – for the ultimate in data security and traceability the Auditor Features provide additional security management features designed for compliance with 21 CFR Part 11. Includes: Secure Audit Trail; Electronic Signatures; Signature Control Elements, and Recorded Logins.

Circular – circular trend display option with selectable 'chart' from 1 hour to 1 month.

Log Scales – scales and gridlines can be set to a Log Scale with scientific notation available.

Master Comms – Up to 16 instruments can be connected using Ethernet and/or serial Modbus comms.

E-mail – send user defined e-mails and SMS messages via a job or demand.

Features

- SVGA TFT color display
- touch screen interface
- high noise rejection and isolation
- up to 48 freely configurable input channels
- up to 27 changeover relays
- 125ms parallel sampling
- Ethernet communications
- Modbus TCP
- client and server File Transfer Protocol as standard
- time sync. using Simple Network Time Protocol (SNTP)
- RS232/485 serial communications
- data archiving over Ethernet or to PCCard / floppy disk
- Review software as standard
- 13.25Mbyte internal Flash for storage of process data
- adaptive recording
- 24 configurable messages
- 24 event inputs

Specifications

Input types:

dc V, dc mV, dc mA, contact
 Thermocouple: B, C, D, E, G2, J, K, L, N, R, S, T, U, Ni/NiMo, Platinel, RTD (2/3-wire), PT100, PT100A, PT1000, Ni100, Ni120, Ni1000, JPT100, Cu10, Cu53
 4 configurable user linearizations

Max power consumption:

100VA

Temperature limits:

Operation 0-50°C

Humidity limits:

Operation 5 to 80% RH non-condensing

Literature:

HA027125 5000 Series Brochure

HA027852 5000 Series Specification Sheet

HA027647 5000 and 21 CFR Part 11

HA028136 Master Communications

21 CFR Part 11

ENHANCED FOR



Ordering codes

5180V	1	2	3	4	5	6	7	8
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1 Number of Channels 00 0 channels 06 6 channels 12 12 channels 18 18 channels 24 24 channels 30 30 channels 36 36 channels 42 42 channels 48 48 channels	2 Power Supply VH 90-264Vac, 45-65Hz VL 20-42Vac RMS, 20-54Vdc	4 Memory Card Size NONE No memory card supplied 016M 16Mb Flash ATA PCCARD 032M 32Mb Flash ATA PCCARD 064M 64Mb Flash ATA PCCARD 256M 256Mb Flash ATA PCCARD	5 Portable Options PANELMT Panel mounting HANDLE Carry handle	7 Customer Label Set USA Eurotherm USA
	3 Archive Type FDD 1.44Mb floppy disk PCC PCMCIA		6 Case and Door Color GRN Eurotherm green GRY Grey BLK Black RAL RAL7032	8 Non Standard XXXXXX Non standard option

9	10	11	12	13	14	15	16	17	18
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9 Anti Glare Screen Coating NONE None MATT Anti glare screen	10 Relays Change Over in Alarm 00 0 CO Relay O/P (0 pcb) (note 1) 03 3 CO Relay O/P (1 pcb) (note 1) 06 6 CO Relay O/P (2 pcb) (note 1) 09 9 CO Relay O/P (3 pcb) (note 1) 12 12 CO Relay O/P (4 pcb) (note 1) 15 15 CO Relay O/P (5 pcb) (note 1) 18 18 CO Relay O/P (6 pcb) (note 1) 21 21 CO Relay O/P (7 pcb) (note 1) 24 24 CO Relay O/P (8 pcb) (note 1) 27 27 CO Relay O/P (9 pcb) (note 1)	11 Serial Communications NONE None R232 RS232 Serial comms (1 pcb) (notes 1 and 2) R485 RS485 Serial comms (1 pcb) (notes 1 and 2)	14 Qty of Shunts 00 Qty of shunts (0-48)	17 Fixed Field NOCAL None
		12 Analog Output 00 None	15 Shunt Value NOS No shunts 100 100 ohm shunts 250 250 ohm shunts	18 Maths, Totalizers & Counters MTC00 None MTC12 12 Channel maths, totalizers & counters MTC36 36 Channel maths, totalizers & counters MTC48 48 Channel maths, totalizers & counters
		13 Event Input 00 None	16 Qty of 100:1 Attenuators 00 Qty of attenuators (0-48)	

19	20	21	22	23	24	25
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19 Maths 00 Number of Maths Ch (0-48) (note 3)	21 Counters 00 Number of Counters Ch (0-48) (note 3)	23 Batch NONE None BATCH Batch	24 Screen NONE None 06SB Screen builder - 6 user screens	25 Timers NOTIMER None 12TIMER Timers (12)
20 Totalizers 00 Number of Totalizers Ch (0-48) (note 3)	22 Groups 6GROUP 6 Groups	NOTES: 1. A maximum of 9 option pcbs are available. 2. Maximum number of Inputs limited to 30 if Serial Communications fitted. 3. Total number of Maths, Totalizers and Counters must equal number of selected channels (Field 18).		

26	27	28	29	30	31	32
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26 Bridge NONE None LITE Viewing bridge FULL Full operation/configuration bridge	27 Auditor NONE None AUDIT Auditor Features	28 Circular Trend NONE None CIRC Circular trend display	29 Log Scales NONE None LOGS Log scales	31 Fixed Field NONE None
			30 Modbus Master Comms NONE None MODBUS Modbus Master Comms	32 Review RLITE Review Lite (default) RFULL Review Full

Example ordering code

5180V - 24 - VH - FDD - NONE - HANDLE - GRN - UK1 - XXXXXX - NONE - 03 - RS232 - 00 - 00 - 00 - NOS - 24CAL - MTC36 - 12 - 12 - 12 - 6GROUP - NONE - 06SB - 12TIMER - LITE - NONE - CIRC - LOGS