

7 Channel Data Collector



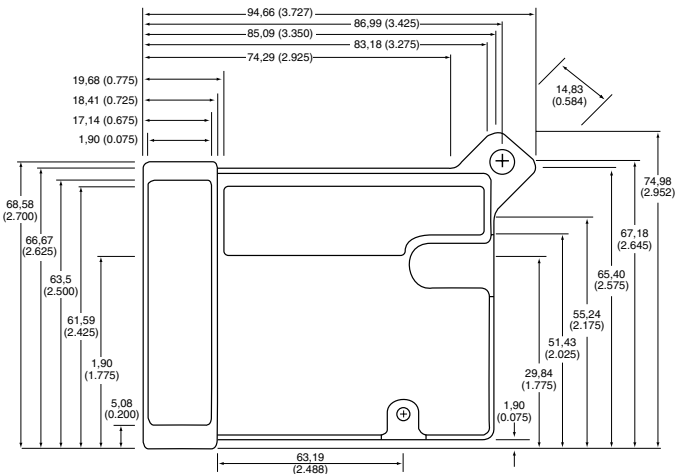
DESCRIPTION

Honeywell's 7 Channel Data Collector is a versatile data collector for simplified recording of common process signal variables. With seven input channels, the collector is often ideal for monitoring (through commercially available transducers) a wide variety of measurement parameters.

FEATURES

- 1.5 Mb memory provides over 1 million readings
- User selectable sampling rates
- 7 input channels interface with a broad range of sensors plus internal temperature sensor
- Alarm modes through optional modem
- TrendReader Standard 2 data collection software
- Network through modem or Ethernet module (optional components)
- 10-year battery life

MOUNTING DIMENSIONS IN MM (INCHES) for reference only



ORDER GUIDE

Description	Catalogue Listing
7 Channel Data Collector	EDL1500-5544444-00

POTENTIAL APPLICATIONS

- Process monitoring
- HVAC
- Flow
- Pressure
- Current
- Voltage
- SCADA troubleshooting

**WARNING**
PERSONAL INJURY
DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.
Failure to comply with these instructions could result in death or serious injury.

**WARNING**
MISUSE OF DOCUMENTATION
• The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
• Complete installation, operation, and maintenance information is provided in the instructions supplied with each product.
Failure to comply with these instructions could result in death or serious injury.

TECHNICAL DATA

General Specifications

Size	107,0 mm x 74,0 mm x 22,0 mm (4.2 in x 2.9 in x 0.9 in)
Weight	110 grams (3.75 ounces)
Case material	Noryl® plastic
Battery	3.6 V Lithium
Resolution	12-bit (1 part in 4096)
Mounting	Magnetic backing or locking eyelet
Clock accuracy	± 2 seconds per day
Sampling methods	Continuous (First-in, First-out)*, Stop When Full (Fill-then-stop) * Not available with sample rates faster than eight seconds
Operating limits	-40°C to 70 °C (-40 °F to 158 °F) and 0 to 95 % RH (non-condensing)
PC requirements	IBM PC or 100% compatible;Pentium II-350 MHz processor; Windows™ 2000 or XP; 250 Mb hard disk space; 128 Mb RAM; at least 1 free port, either serial or USB; CD-ROM drive; Internet Explorer 6
Software Requirements	TrendReader® Standard 2 (compatible with Windows™ 3.1, '95, '98, 2000, Me, NT and XP)
Memory Size	1.5 Mb (capable of storing up to 1,048,000 readings)
Sampling rates	User selectable rates from 25 per second to once every eight hours (BP-101 battery pack or PS-201 power supply required for sampling rates faster than eight seconds)
Number of channels	Eight (Seven external channels for analog voltage and current loop signals and one for the internal temperature sensor.)

Sensor specifications

Temperature Sensor	NTC Thermistor - 10,000 Ohm @ 25 °C (77 °F)
Range	-40 °C to 70 °C (-40 °F to 158 °F)
Accuracy	± 0.2 °C (± 0.3 °F) over the range 0 °C to 70 °C (32 °F to 158 °F)
Resolution	0.03 °C (0.05 °F) @ 25 °C; < 0.07 °C (0.12 °F) between -25 °C and 70 °C (-13 °F and 158 °F); < 0.13 °C (0.23 °F) between -40 °C and -25 °C (-40 °F and -13 °F)
5 Channels	4 mA to 20 mA
2 Channels	0 Vdc to 5 Vdc
Maximum protection	
Voltage channels	± 40 V (reverse-polarity protected)
Current channels	± 70 mA (reverse-polarity protected)
Accuracy	± 0.5 % of full scale
Input Impedance	> 1 MOhm (0 V to 5.0 V channels) 20 Ohm (0 mA to 25 mA channel)

* Transducer restrictions: The use of a single power supply is recommended to avoid ground loops or use loop isolators

WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

SALES AND SERVICE

Honeywell serves its customers through a worldwide network of sales offices, representatives and distributors. For application assistance, current specifications, pricing or name of the nearest Authorized Distributor, contact your local sales office or:

E-mail: info.sc@honeywell.com

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Sensing and Control

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