

Condition Monitoring Custom Products

CMCP-ET-8AI and CMCP-ET-16AI Ethernet TCP/IP Analog to Digital Converter

Features:

- 14 Bit A/D for precision measurements
- Smart filtering rejects noise
- User choice of integration time - speed vs. filtering
- Field replaceable current shunts save maintenance time



Specifications:

Number of channels	8 or 16
Input range	4-20 mA
A/D resolution	14 bits (0.01%)
Full scale accuracy (@20°C)	+/- 0.05%
Span and offset temp. coefficient	+/- 50 ppm per °C typical
Input impedance	100 Ohms
Input current protection	Replaceable shunts
Fastest scan rate	(16 channels) 5 mS
Required supply voltage	10-30 VDC (0.75 watt typical)
Operating temperature range	-30 to 70° C
Storage temperature range	-40 to 85° C
Humidity (non-condensing)	5 to 95%
RS485 Port for I/O Expansion	
Max. RemoteTRAK modules	32 (up to 512 I/O)
Protocol	SIXNET "I/O for Windows" and Modbus ASCII and RTU
Baud rate	38,400 bps
Recommended distance	Up to 0.5 mile
Isolation (from Ethernet port)	1200 Volts RMS 1 minute

Ordering Information:

Part No.	Description
CMCP-ET-8AI	A to D Converter, Ethernet TCP/IP, 14 Bit, 8 Channel
CMCP-ET-16AI	A to D Converter, Ethernet TCP/IP, 14 Bit, 16 Channel
CMCP-RM-232-SETUP	Field Setup Module with RS-232 cable to connect to computer
CMCP-RM-232/485	Converter for RS-232 to RS-485

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