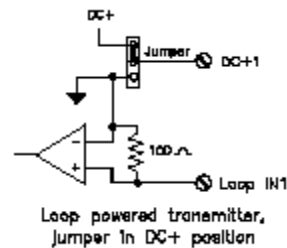
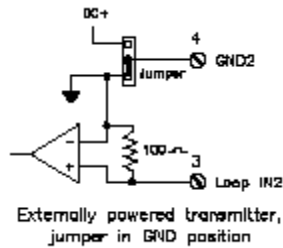


CMCP-RM-8AI and CMCP-RM-16AI Modbus RTU, RS-485 Analog to Digital Converter

Features:

- 16 bit A/D converter for precision measurements
- Smart filtering provides excellent noise rejection
- Isolation on the RS485 lines eliminates ground loops
- Field replaceable current shunts save maintenance time
- Field configurable wiring choice for loop-powered transmitters or ground return instruments (CMCP-RM-8AI only)



Specifications:

Number of channels	8 or 16
Input range	4-20 mA
A/D resolution	16 bits (0.003%)
Full scale accuracy (@20°C)	+/- 0.10%
Span and offset temp. coefficient	+/- 50 ppm per °C typical
Input impedance	100 Ohms
DMRR (differential rejection at 50/60 Hz)	66 dB
Input current protection	Replaceable shunts
Fastest scan rate	8 Channel - 500 mS 16 Channel - 1,000 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 isolation	1200 Volts RMS 1 minute

Ordering Information:

Part No.	Description
CMCP-RM-8AI	A to D Converter Modbus RTU, RS-485, 16 bit, 8 Channel
CMCP-RM-16AI	A to D Converter Modbus RTU, RS-485, 16 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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