

FX - 737 (13 channel analog input card)

Inputs	13 fully differential mA inputs
Connection	Each channel can be located in the current loop in any location after the current source
Input type	0 - 20, 4 -20 mA (each channel configurable)
Resolution	12-bit
Sampling rate	10 samples/second
Accuracy	0.1% Reading +/- 3 LSB
Bandwidth	10 Hz
Zero drift	±20 uV/°C
Span drift	±25 ppm/°C
Input impedance	249.0 ohms
Common mode rejection	77 dB @ 500 Hz
Common mode voltage	250 V dc
Field to logic isolation	3000 VDC

Interface

Serial interface	RS-232 or RS-485
Data format	N, 8, 1
Baud rate	1200 - 57,600 bps

Power

Input voltage	10-30 VDC
Power consumption	75 mA @ 24 V dc

Display

LEDs	1 Heartbeat (orange), 1 MODBUS message received (green), 1 serial transmit (red)
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Jumpers

LED_ON	LEDs powered (default) /unpowered
CONFIG	Accepts configuration (default) / rejects configuration commands
RS232/485	1-2 (default) = RS232, 2-3 = RS485
TERM_R	RS485 termination resistor enabled (default)

Protocol

Serial	MODBUS RTU Slave
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Environment

Operating temperature	-25 to 75°C
Storage temperature	-40 to 85°C
Humidity	5 to 95%, non-condensing

