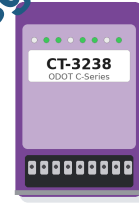


CT-3238 Analog Input Module 8AI

Current

8-channel analog current input - 0 & 4-20 mA, 15-bit, single-ended



The ODOT CT-3238 is a C-Series analog input module with 8 single-ended current-input channels configurable for 0-20 mA or 4-20 mA at 15-bit resolution. It accepts 2-wire (external-supply) or 4-wire sensors, is magnetically isolated from the internal bus, and protects each channel with TVS overvoltage clamping. Used to read 4-20 mA process transmitters into a PLC/SCADA system.

General / Identification

Brand / Series	ODOT, C-Series Remote I/O
Module type	Analog input, 8 channel, current
Power consumption	Max. 25 mA @ 5.0 VDC

Input / Functional

Channels	8-channel current input, single-ended
Signal range	0-20 mA or 4-20 mA (configurable)
Measuring range	0 to 23.5 mA
Resolution	15-bit
Data format	16-bit signed integer
Accuracy	+/-0.3% FR @25 C; +/-0.5% FR @ -20 to +70 C
Sampling rate	20 ms per channel
Sensor wiring	2-wire (external supply) or 4-wire
Isolation (I/O to internal bus)	Magnetic isolation
Channel protection	TVS overvoltage protection
LED indication	8 channel status LEDs

Mechanical & Environmental

Mounting	35 mm DIN-rail
Dimensions (W x H x D)	115 x 14 x 75 mm
Net weight	65 g
Protection class	IP20
Operating temperature	-40 to +85 C
Operating humidity	5-95% RH, non-condensing

Compliance

Certifications	CE, ISO 9001 (manufacturer-stated)
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Typical applications: Reading 4-20 mA transmitters: pressure, flow, level, temperature, position.

Specifications are taken from the manufacturer's published data and are subject to change without notice. Confirm against the current manufacturer manual before rated or safety-critical use.