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TECHNICAL DATA SHEET

MODEL 2532T SIGNAL ISOLATOR

DESCRIPTION

The Model 2532T is a 2-wire output loop powered isolator that provides signal conversion for various high level inputs to a standard two wire 4-20mA DC output. The unit is designed for panel or field mounting in an ambient environment from -40 to +85 Deg C.

SPECIFICATIONS

Unless otherwise indicated, all specifications are referred to an ambient temperature of $25^{\circ}\text{C} \pm 1^{\circ}\text{C}$ ($77^{\circ}\text{F} \pm 2^{\circ}\text{F}$).

INPUT:	0-1 mA DC, 4-20 mA DC, 1-5VDC,
INPUT IMPEDANCE:	0-1 mA DC: 50 ohms 4-20 mA DC: 2.5 ohms 1-5VDC: >1 Mohms
OUTPUT:	4 to 20 mA DC
MAXIMUM LOAD:	(Supply voltage: 12V) 20mA
CALIBRATED ACCURACY:	$\pm 0.1\%$ of span
LOOP RESISTANCE EFFECT:	True current source
ISOLATION (INPUT-TO-OUTPUT):	600 VAC RMS
COMMON MODE REJECTION:	120 dB minimum @ 50/60 Hz
MAX. COMMON MODE VOLTAGE:	450 VAC RMS
NORMAL MODE REJECTION:	60 dB minimum @ 60 Hz
AMBIENT TEMPERATURE RANGE:	-40°C to 85°C (-40°F to 185°F)
TEMPERATURE EFFECT:	$\pm 0.018\%$ of span/ $^{\circ}\text{C}$ ($\pm 0.1\%$ of span/ $^{\circ}\text{F}$) or $\pm 1.8 \mu\text{V}/^{\circ}\text{C}$ ($\pm 1.0 \mu\text{V}/^{\circ}\text{F}$), whichever is greater
POWER REQUIREMENTS:	12 VDC to 42 VDC (12V + R Load x 0.02)
SUPPLY VOLTAGE EFFECT:	$\pm 0.005\%$ of span/volt maximum
HOUSING:	Injection molded black ABS plastic
CONNECTOR:	4 place terminal screw type block
DIMENSIONS (HWD):	7.49 cm x 11.05cm x 22.86 cm (2.95"x4.35"x0.9") HDW
WEIGHT:	0.2 kg (7oz.)
MOUNTING:	Standard: <ul style="list-style-type: none">• DIN rail