



95 Mt. Read Blvd. # 149
Rochester, New York 14611 USA
Phone 1.585.697.0444
Fax 1.585.697.0445
Email info@pyragon.com

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 0-40 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
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:	(Power Supply – 4VDC) / mA DC output
CALIBRATED ACCURACY:	$\pm 0.1\%$ of span
LOOP RESISTANCE EFFECT:	True current source
ISOLATION (INPUT-TO-OUTPUT):	600 VAC RMS
AMBIENT TEMPERATURE RANGE:	0-40 °C (-40°F to 185°F)
TEMPERATURE EFFECT:	$\pm 0.018\%$ of span/°C ($\pm 0.1\%$ of span/°F)
POWER REQUIREMENTS:	4 VDC to 35 VDC (4V + R Load x 0.02)
SUPPLY VOLTAGE EFFECT:	$\pm 0.01\%$ of span/volt maximum
HOUSING:	Injection molded black ABS plastic
CONNECTOR:	4 place terminal screw compression 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:	DIN rail