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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 4-20mADC 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 mADC, 4-20 mADC, 1-5 VDC
INPUT IMPEDANCE: 0-1 mADC: 50 ohms
4-20 mADC: 2.5 ohms
1-5VDC: >1 Mohms
OUTPUT: 4 to 20 mA DC, 2 Wire Type
MAXIMUM LOAD: (Power Supply – 4VDC) / mADC 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), via the output loop
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): 75.0 mm x 110mm x 22.5 mm (2.95"x4.35"x0.9") HDW
WEIGHT: 0.2 kg (7oz.)
MOUNTING: DIN rail