



# Dynisco Model RT350

REMOTE STRAIN GAGE TO DC TRANSMITTER



## Description

The versatile model RT350 signal conditioner accepts an input from strain gage sensors and provides an opto - isolated, amplified DC output. Typical applications include providing an interface to recorders, data loggers and other process monitoring and control systems. The RT350 enables easy and safe adjustment of the output signal at the control panel, versus at the machinery. With its plug - in design, red and green diagnostic LEDs and convenient shunt calibration switch, the RT350 is the universal solution for your strain gage signal conditioning requirements.

## Features

- Field selectable input/output ranges
- Non - interactive zero and span adjustment
- Optically isolated output
- Convenient shunt calibration switch
- Lifetime warranty
- Adapts to a variety of applications
- Adjust once
- Free from internal interference
- Convenient matching to transducer
- No service problems

Performance Characteristics	
<b>Linearity:</b>	0.01% of span or less
<b>Maximum output load:</b>	K Ohm minimum for voltage; 1 K Ohm maximum for current
<b>Response Time:</b>	0 ms typical; 10 ms available (DF)
<b>Common Mode Rejection:</b>	00 dB minimum
<b>Excitation:</b>	to 10 Vdc settable in 1 Vdc increments 120 mA maximum at 10 Vdc
<b>Excitation Stability:</b>	±0.01% per °C
<b>Temperature stability:</b>	0.02% of span per °C
<b>Operating temperature range:</b>	-10° to +60°C (14° to 140°F)
<b>Power:</b>	115 Vac ±10%; 50/60 Hz 3.5 W maximum
<b>Dimensions:</b>	2.75 in. (69.85 mm) H X 1.75 in. (44.45 mm) X 2.38 in. (60.45 mm)

Temperature Influence	
<b>Input:</b>	0 to 5 mV to 0 to 400 mV
<b>Output:</b>	0 to 1 V, 0 to 5 V, 0 to 10 V, ±5 V, 0 to 20 mA, 4 to 20 mA
<b>Zero Offset:</b>	±100% in 15% increments
<b>Zero/Span Adjustment:</b>	Non - interactive; ±15% of span typical

## Ordering Guide

Model	Power	
	Code	Description
RT350	V1	115 Vac
	V2	230 Vac
	V3	10 to 30 Vdc
	V1 - DF	115 Vac

**Note:** For required 11 - pin socket specify P/N901100

*Ordering Example: RT350 - V1*

## Dimensions

