



# PT338 High Temperature, Rugged Test Transducer

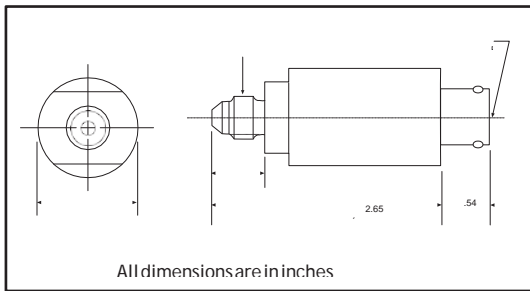
# Operating Manual

## Introduction

The Dynisco model PT338 pressure transducers are designed to measure up to 10,000 psi. These models incorporate a 350-ohm, bonded foil strain gage Wheatstone Bridge. This proven technology provides an output of  $0 \pm 3.0$  mV/V (nominal), proportional to hydraulic pressure (within the specified error band). These transducers convert changes in applied pressure into corresponding changes in output voltage. This output signal can be fed into a wide range of readout instruments with millivolt sensitivity.

## Pressure Fitting

The pressure fitting on the PT338 transducer is a 7/16-20 UNF-3A external port. The fitting is fabricated from high-strength stainless steel.



**Figure 1:** Schematic of the PT338

## Wiring

All PT338's are equipped with a 6-pin, Bendix PT1H-10-6P (or equal) receptacle. The mating plug is a Bendix PT06A-10-6S (SR) or equivalent, Dynisco P/N 711600, for general service or a Bendix PT06W-10-6S or equivalent, Dynisco P/N 711610, weather-tight connector.

Function	PT338 (std)	PT338-H12
Signal +	A	B
Signal -	B	C
Excitation +	C	A
Excitation -	D	D
Internal Calibration	E	E
	F	F

## Wiring (cont.)

The full-scale output of the PT338 pressure transducer is 3 mV/V. The power supply should be well regulated with recommended excitation of 10 Vdc, 15 Vdc maximum to the transducer. Six conductor-shielded cable, such as Dynisco P/N 800024, should be used for transducer connections.

## Internal Shunt Calibration

Each transducer includes an internal shunt calibration ("R-Cal") function that is used to simulate a signal of 80% full scale, this is achieved by crossing pins E and F. This eliminates the need for cumbersome calibrated pressure source when scaling associated instrumentation.

## Transducer Repair

Questions concerning warranty, repair cost, delivery, and requests for a RA# should be directed to the Dynisco Repair Department, 508-541-9400 or email: [repair@dynisco.com](mailto:repair@dynisco.com). Please call for a return authorization number (RA#) before returning any product. Damaged transducers should be returned to:

Dynisco, LLC  
Repair Department RA#  
38 Forge Parkway, Franklin, MA 02038

## Technical Assistance

Please call 800-221-2201 or 508-541-9400 or fax 508-541-9436.

## Warranty

This Dynisco product is warranted under terms and conditions set forth in the Dynisco Web Pages. Go to [www.dynisco.com](http://www.dynisco.com) and click on "Warranty" at the bottom of any page for complete details

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