

model

# PT-100

## PRESSURE TRANSDUCER



### FEATURES :

- ❖ Stainless Steel 17-4 PH construction
- ❖ Available up to 500 bar pressure
- ❖ Accuracy better than 0.25%
- ❖ Easy for installation

### DESCRIPTION :

- ❖ Strain gage based design
- ❖ S.S. construction for corrosive and hygienic applications
- ❖ Wide selection of pressure range
- ❖ Suitable for liquid & gas
- ❖ 1/4" (6.35 mm) 1/2" (12.7 mm) BSP Male/Female thread available

### APPLICATIONS :

- ❖ Pumps & Compressors
- ❖ Refrigeration
- ❖ Process Controls
- ❖ Tank Levels
- ❖ Hydraulic & Pneumatic Systems
- ❖ Industrial Equipments

### PERFORMANCE SPECIFICATION :

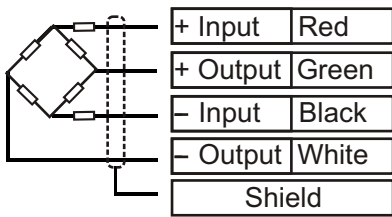
<b>Standard Capacities (Bar)</b>	: 5,10,20,50,100,200,300,500
<b>Excitation Voltage</b>	: 10 VDC - Maximum 15 VDC
<b>Nominal Output</b>	: 2.0 mV/V
<b>Non - Linearity</b>	: < ± 0.25 % FSO (Full Scale Output)
<b>Hysteresis</b>	: < ± 0.25 % FSO
<b>Non-Repeatability</b>	: < ± 0.25 % FSO
<b>Creep (30 minutes)</b>	: < ± 0.05 % FSO
<b>Input Resistance</b>	: 370 ± 5 Ohms
<b>Output Resistance</b>	: 350 ± 2 Ohms
<b>Insulation Resistance (50VDC)</b>	: > 1000 Mega Ohms
<b>Safe overload</b>	: 100%
<b>Ultimate Overload of Rated</b>	: 200 %
<b>Temp. Compensated Range</b>	: 0-60 °C
<b>Temp. Effect on Output</b>	: < 0.04 % FSO/ °C
<b>Temp. Effect on Zero</b>	: < 0.04 % FSO/ °C
<b>Material of Construction</b>	: Stainless Steel-17-4 PH
<b>Environmental Protection Class</b>	: IP68



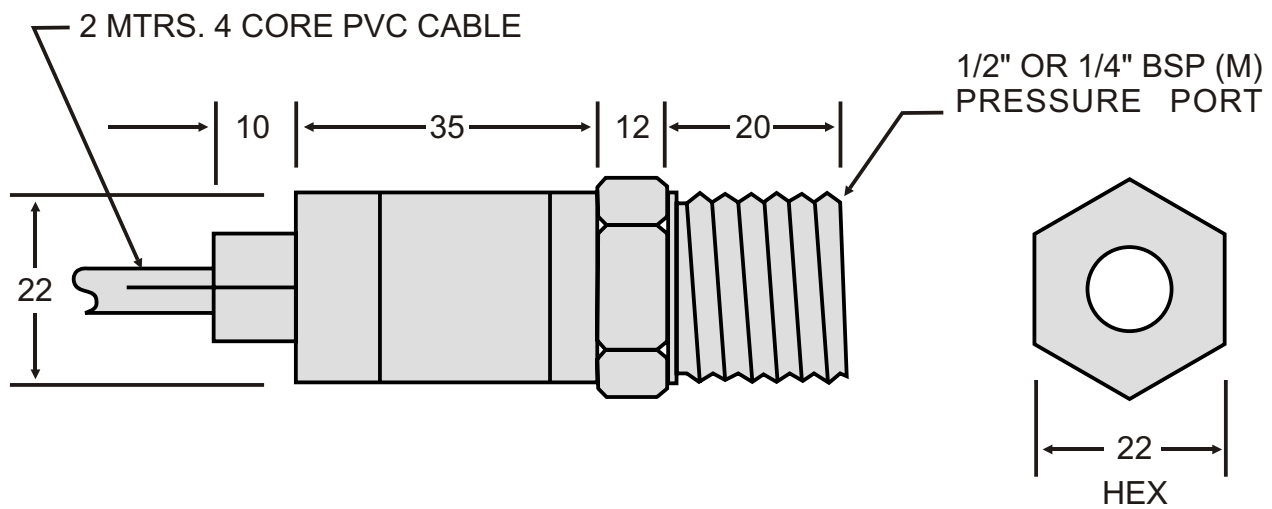
**ADI ARTECH**  
TRANSDUCERS PVT. LTD.

A Joint venture with  
ARTECH INDUSTRIES INC., U.S.A.

**ELECTRICAL TERMINATION**



4 CORE SCREENED CABLE



ALL DIMENSIONS ARE IN MM

**ORDER INFORMATION :**

**ADI ARTECH** is dedicated in maintaining adequate inventories of its Load Cells to provide the best service in the industry.

Order by the model number and indicate the capacity required.

Specifications are subject to change without notice

	Manufactured by :	917/1, G.I.D.C. ESTATE, MAKARPURA, VADODARA - 390 010 (INDIA)
	<b>ADI ARTECH</b>	Phone : 2655083/2651023
	<b>TRANSDUCERS PVT. LTD.</b>	FAX : (91) 0265-2638751
	A Joint venture with ARTECH INDUSTRIES INC., U.S.A.	E-mail : sales@adiartech.com artechad1@sancharnet.in
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