

NEW

The IDA33 Series Low Cost OEM Pressure Transducer with all Stainless Steel Wetted Parts



SERIES: TDH33



APPLICATIONS

- Hydraulic / Mobile Hydraulic
- Pneumatic Systems
- Food and Beverage Industry
- Refrigeration Systems
- Pumps and Compressors
- Energy and water management
- Construction and Agricultural Equipment

DESCRIPTION

The IDA33 Series Pressure Transducer utilizes piezoresistance technology in an all stainless steel body. It is compact in size, has long term stability, ease of installation and is very economical as well as reliable.

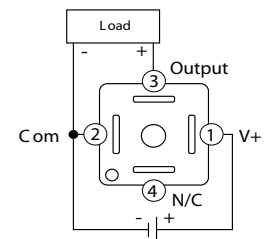
The IDA33 sets a new price-performance standard for low cost, high volume commercial and industrial applications.

FEATURES

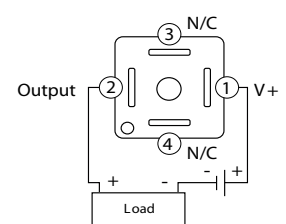
- Vac to 285 psi or 3 to 10,000 psi Range
- Various Outputs
- Compact Design
- 316 Stainless steel Housing
- All stainless steel wetted parts
- Low Cost
- Industrial 1% Accuracy
- Custom Outputs and Ranges Available
- OEM Tested and Approved
- Low power consumption

ELECTRICAL CONNECTIONS

Signal	Function	Color	Pin	Electrical Connector DIN 4 pin (9.4)
0-5V	Supply V +	Red	1	
	Com	Black	2	
	Output	White	3	
	N/A	N/A	4	
4-20mA	Supply V	Red	1	3 pin Packard
	Output	Black	2	
Signal	Function	Color	Pin	
0-5V	Com	Black	A	
	Supply +	Red	B	
	Output +	White	C	
4-20mA	Output	Black	A	
	Supply +	Red	B	



0-5VDC Output



4-20mA Output

SPECIFICATIONS

Input

Supply Voltage	12-36 VDC
Pressure Range	Vac to 285 psi or 3 to 10,000 psi
Proof Pressure	2 x full scale
Burst Pressure	3 x full scale
Fatigue Life	More than 4 million cycles

Performance @ 25° C (77° F)

Accuracy	1% full scale, BFSL
Stability	0.2% full scale
Compensated Temperatures	-10 to 75 ° C (14 to 167 ° F)
Operating Temperatures	-20 to 80 ° C (-4 to 176 ° F)
Zero and Span Offset Tolerance	1.5%
Current Consumption	Approx 3mA for voltage output, 22mA for current output (4-20mA)

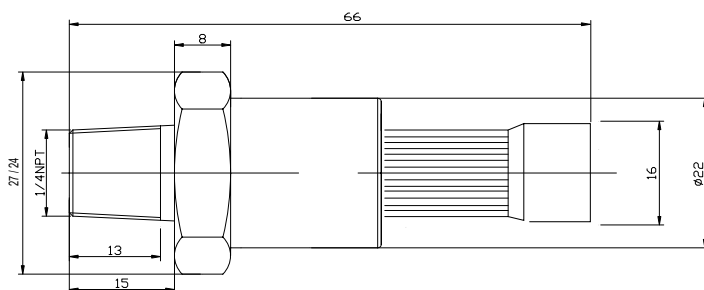
Mechanical Configuration

Pressure Port	1/4 NPT (standard) *
Electrical Connection	9.4 mini DIN, 3 pin Packard *
Ingress Rating	IP65 with T-Direct standard 9.4 DIN cable
Housing	316 stainless steel
Diaphragm Material	316 SS, all wetted parts are 316 SS, no internal Orings
Approvals	CE

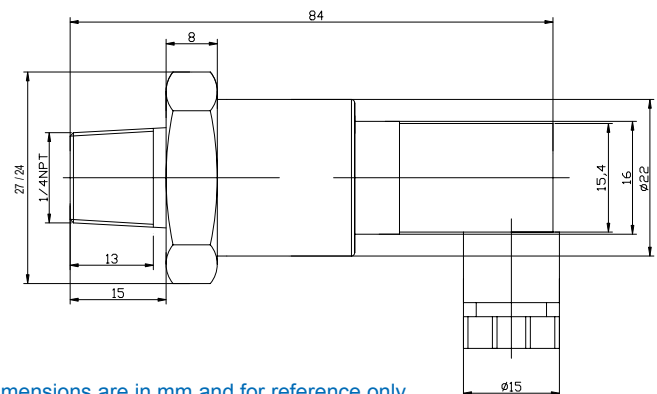
For best performance use shielded cables

Mating connectors and cable assemblies sold separately

* = Consult factory for further OEM options



Dimensions



Dimensions are in mm and for reference only

ORDERING

Series	Output	Pressure Type	Pressure Range	Pressure Port	Electrical Connection	Accuracy
IDA33	B	G	0500 psi	03	D00	4
	B= 4-20mA C= 0-5V (3 wire) **	G = Gauge	V000 0015 V015 0025 V045 0050 V085 0100 V135 0250 V185 0500 V285 1000 3000 5000 **	03= 1/4" NPT Male **	D00= 4 pin Mini 9.4 DIN B00= 3 pin Packard **	4= 1% **

**= Consult factory for further OEM options