



ECPT10

LOW COST OEM PRESSURE TRANSDUCER WITH ALL STAINLESS STEEL WETTED PARTS

DESCRIPTION:

The ECPT10 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.

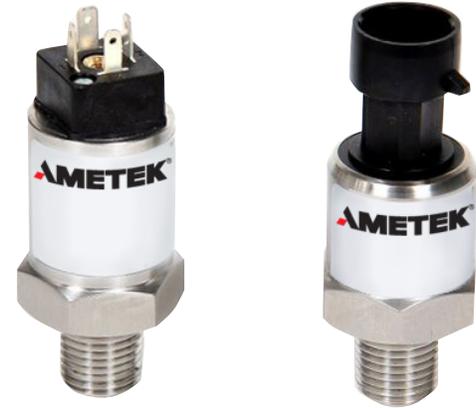
The ECPT10 sets a new price-performance standard for low cost, high volume commercial and industrial applications.

APPLICATIONS:

- Hydraulic / mobile hydraulic
- Pneumatic systems
- Food and beverage industry
- Refrigeration systems
- Pumps and compressors
- Energy and water management
- Construction and agricultural equipment

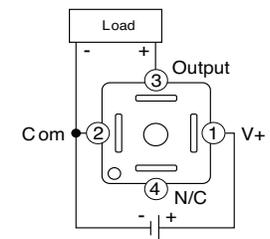
ELECTRICAL CONNECTIONS:

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

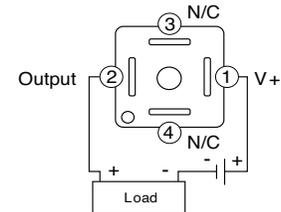


FEATURES:

- 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 (optional 0.5% accuracy also available, contact Customer Service)
- Custom outputs and ranges available
- OEM tested and approved
- Low power consumption



0-5VDC Output



4-20mA Output

*Contact Customer Service for other connectors.





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

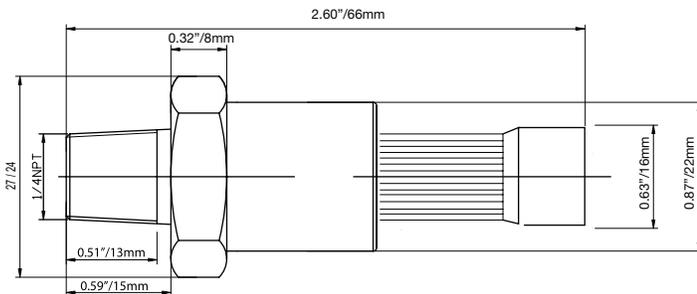
Performance @ 25° C (77° F)

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)

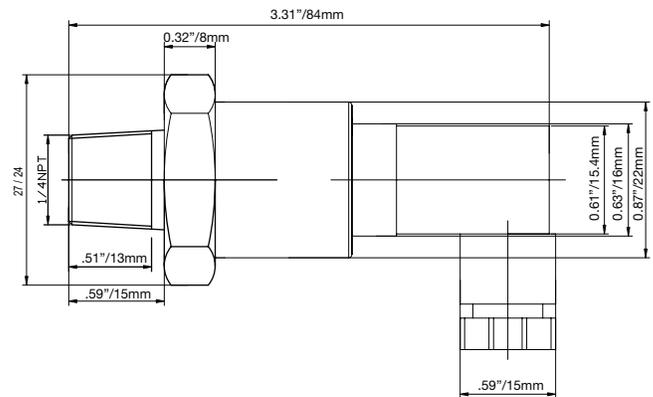
Mechanical Configuration

Pressure Port	1/4 NPT (standard)*
Electrical Connection	9.4 mini DIN, 3 pin Packard* (coming soon: Deutsch 3 pin and Deutsch 4 pin)
Ingress Rating	IP65 with T-Direct standard 9.4 DIN cable
Housing	316 stainless steel
Diaphragm Material	316 SS <1400 psi, 17-4 SS >1400 psi, wetted parts are SS, no internal O-rings
Approvals	CE

For best performance use shielded cables
Mating connectors and cable assemblies sold separately,
contact Customer Service for more information.



Dimensions



ORDERING

Model	Output	Pressure Type	Pressure Range	Pressure Port	Electrical Connection*	Accuracy*
ECPT10	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 7500 010K *	03= 1/4" NPT Male *	D00= 4 pin Mini 9.4 DIN B00= 3 pin Packard *	4= 1% *

*Consult Customer Service for further OEM options
Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use. While we provide application assistance personally, through our literature and the Ametek web site, it is up to the customer to determine the suitability of the product in the application.