



Description & Features:

- Heavy-duty pressure transmitter with advanced digital electronics and high over-pressure protection
- Compact construction with 316 and 17-4 stainless steel
- Available ranges include Vacuum up to 10,000 psi
- Wide range of mechanical and electrical connections
- $\pm 0.25\%$ accuracy
- IP65 and IP67
- Built-in restrictor screw on ranges $>1,500$ psi
- UL listed or UL recognized for USA and Canada
- 5 year warranty

Applications:

- Appropriate for pumps & compressors, hydraulic equipment, environmental monitoring, machine tool and presses, test equipment and much more

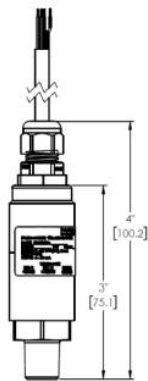
Specifications

Output Signal	4...20 mA, 2-wire / $V_s = 8-33$ Vdc 0...10 Vdc, 3-wire / $V_s = 12-33$ Vdc 1...5 Vdc, 3-wire / $V_s = 7-33$ Vdc 0.5...4.5 Vdc, 3-wire, ratiometric output / $V_s = 4.5-5.5$ Vdc (UL listing not-included)
Response Time	4...20 mA = 3 ms, all others = 5 ms
Current Consumption	4...20 mA = 22 mA maximum, all others = 15 mA maximum
Accuracy	$\pm 0.25\%$ Full Scale Output
Long-Term Stability	$\pm 0.2\%$ FSO (typically per year)
Wetted Parts	316SS all welded or 17-4 PH SS with NBR O-ring
Shock	50 g's 11 ms, MIL-STD 202 Method 213 G
Vibration	15 g's 10 to 2,000 Hz, MIL-STD 202
Storage Temperature	-40 to 100 deg C (-40 to 212 deg F)
Media Temperature	-40 to 120 deg C (-40 to 248 deg F)
Reverse Polarity Protection	Yes
EMI-EMC Compliance	IEC 61000 4-2 to 4-6, IEC 61326-1 Class A
Enclosure Rating	NEMA 4X; IP65 or IP67
Approvals	UL listed or UL recognized for USA and Canada, CRN pending
Compliance	RoHS, REACH, CE
Operation Life	1 million cycles, minimum
Weight	120 g (4.23 oz)

ELECTRICAL CONNECTIONS								
ELECTRICAL SIGNAL	ELECTRICAL TERMINATION							
	Cable Outlet		Metripack 3-Pin Deutsch		M12 DIN 43650 A & C		4-Pin Deutsch	
	VOLTAGE	CURRENT	VOLTAGE	CURRENT	VOLTAGE	CURRENT	VOLTAGE	CURRENT
+EXCITATION	RED	RED	PIN 1	PIN 1	PIN 1	PIN 1	PIN 2	PIN 2
-EXCITATION (COMMON)	BLACK	BLACK	PIN 2	PIN 2	PIN 2	PIN 2	PIN 1	PIN 1
VOLTAGE OUTPUT	WHITE	-	PIN 3		PIN 3	-	PIN 4	
CASE GROUND/DRAIN/EARTH	DRAIN	DRAIN		PIN 3	PIN 4	PIN 4	PIN 3	PIN 3

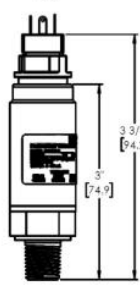
PVC Shielded &
jacketed #24 AWG
cable (1 meter)

IP67

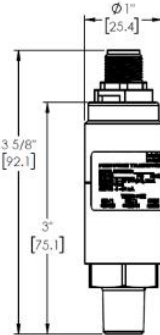


Subminiature DIN
connector (DIN
43650/EN 175301
803, TYPE C)

IP65

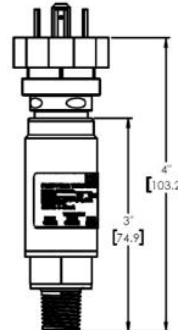


M12 (4 Pin) connector
IP67



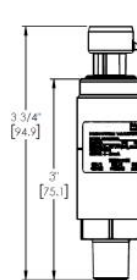
Standard DIN
connector (DIN
43650/EN 175301
803, TYPE A)

IP65

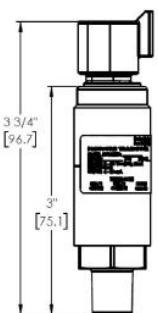


Activ/Delphi
Metripack 150 Series
Connector

IP65

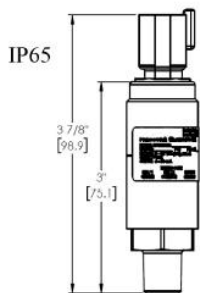


3 Pin Deutsch
Connector - DT04-3P
IP65



4 Pin Deutsch
Connector - DT04-4P

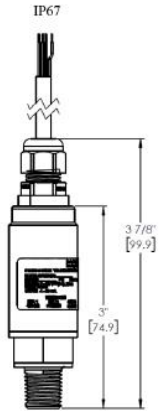
IP65



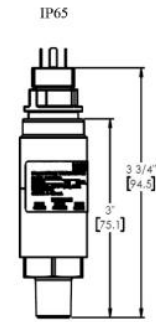
Process Connections

1/4" NPT, Male	7/16-20 UNF male (JIC 37")	G1/4 male (gasket seal)	7/16-20 SAE #4 ORB	1/8" NPT Male

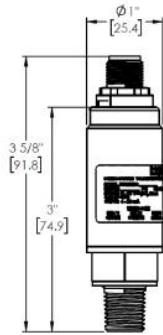
PVC Shielded &
jacketed #24 AWG
cable (1 meter)



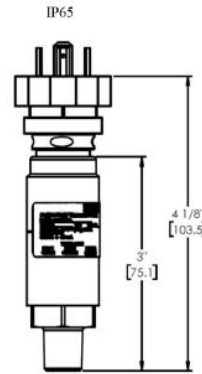
Subminiature DIN
connector (DIN
43650/EN 175301
803, TYPE C)



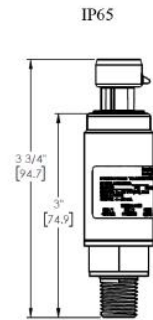
M12 (4 Pin) connector
IP67



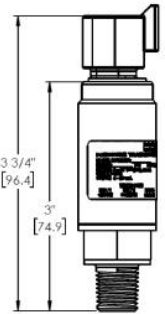
Standard DIN
connector (DIN
43650/EN 175301
803, TYPE A)



Aptiv/Delphi
Metripack 150 Series
Connector

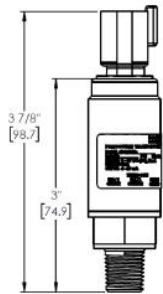


3 Pin Deutsch
Connector - DT04-3P
IP65



4 Pin Deutsch
Connector - DT04-4P

IP65



Process Connections

1/4" NPT, Male	7/16-20 UNF male (JIC 37°)	G1/4 male (gasket seal)	7/16-20 SAE #4 ORB	1/8" NPT Male

Order Codes (products in bold are normally stock in North America)

Range	Proof-Pressure (psi)	4/20mA, 17-4 PH SS w/O-ring, 1/4" NPT Process, 0.25% Acc*		4/20mA, all 316SS welded, 1/4" NPT Process, 0.25% Acc	
		DIN 43650 A	Cable Outlet (1M /3')	DIN 43650 A	Cable Outlet (1M /3')
30" Hg(-1-0 BAR), UL	2 psi	LIM1104P2AN44PU	LIM1TR4P2AN44PU	LIM1104P2AN46SU	LIM1TR4P2AN46SU
0-1 PSI (0-0.1 BAR), UL	2 psi	LIM1101P2GN44PU	LIM1TR1P2GN44PU	LIM1101P2GN46SU	LIM1TR1P2GN46SU
0-5 PSI (0-0.35 BAR), UL	10 psi	LIM1102P2GN44PU	LIM1TR2P2GN44PU	LIM1102P2GN46SU	LIM1TR2P2GN46SU
0-7 PSI (0-0.5 BAR), UL	14 psi	LIM1103P2GN44PU	LIM1TR3P2GN44PU	LIM1103P2GN46SU	LIM1TR3P2GN46SU
0-15 PSI (0-1 BAR), UL	30 psi	LIM1104P2GN44PU	LIM1TR4P2GN44PU	LIM1104P2GN46SU	LIM1TR4P2GN46SU
0-25 PSI (0-1.6 BAR), UL	50 psi	LIM1105P2GN44PU	LIM1TR5P2GN44PU	LIM1105P2GN46SU	LIM1TR5P2GN46SU
0-30 PSI (0-2 BAR), UL	60 psi	LIM1106P2GN44PU	LIM1TR6P2GN44PU	LIM1106P2GN46SU	LIM1TR6P2GN46SU
0-36 PSI (0-2.5 BAR), UL	72 psi	LIM1107P2GN44PU	LIM1TR7P2GN44PU	LIM1107P2GN46SU	LIM1TR7P2GN46SU
0-50 PSI (0-3 BAR), UL	100 psi	LIM1108P2GN44PU	LIM1TR8P2GN44PU	LIM1108P2GN46SU	LIM1TR8P2GN46SU
0-60 PSI (0-4 BAR), UL	120 psi	LIM1109P2GN44PU	LIM1TR9P2GN44PU	LIM1109P2GN46SU	LIM1TR9P2GN46SU
0-87 PSI (0-6 BAR), UL	174 psi	LIM1101S2GN44PU	LIM1TR1S2GN44PU	LIM1101S2GN46SU	LIM1TR1S2GN46SU
0-100 PSI (0-7 BAR), UL	200 psi	LIM1102S2GN44PU	LIM1TR2S2GN44PU	LIM1102S2GN46SU	LIM1TR2S2GN46SU
0-150 PSI (0-10 BAR), UL	300 psi	LIM1103S2GN44PU	LIM1TR3S2GN44PU	LIM1103S2GN46SU	LIM1TR3S2GN46SU
0-200 PSI (0-15 BAR), UL	400 psi	LIM1104S2GN44PU	LIM1TR4S2GN44PU	LIM1106S2GN46SU	LIM1TR4S2GN46SU
0-230 PSI (0-16 BAR), UL	460 psi	LIM1105S2GN44PU	LIM1TR5S2GN44PU	LIM1105S2GN46SU	LIM1TR5S2GN46SU
0-300 PSI (0-20 BAR), UL	600 psi	LIM1106S2GN44PU	LIM1TR6S2GN44PU	LIM1106S2GN46SU	LIM1TR6S2GN46SU
0-360 PSI (0-25 BAR), UL	720 psi	LIM1107S2GN44PU	LIM1TR7S2GN44PU	LIM1107S2GN46SU	LIM1TR7S2GN46SU
0-500 PSI (0-35 BAR), UL	1,000 psi	LIM1108S2GN44PU	LIM1TR8S2GN44PU	LIM1108S2GN46SU	LIM1TR8S2GN46SU
0-580 PSI (0-40 BAR), UL	1,160 psi	LIM1109S2GN44PU	LIM1TR9S2GN44PU		
0-725 PSI (0-50 BAR), UL	1,450 psi	LIM1101T2GN44PU	LIM1TR1T2GN44PU		
0-870 PSI (0-60 BAR), UL	1,740 psi	LIM1102T2GN44PU	LIM1TR2T2GN44PU		
0-1,000 PSI (0-70 BAR), UL	2,000 psi	LIM1103T2GN44PU	LIM1TR3T2GN44PU		
0-1,500 PSI (0-100 BAR), UL	3,000 psi	LIM1104T2GN44PU	LIM1TR4T2GN44PU		
0-2,000 PSI (0-150 BAR), UL	4,000 psi	LIM1105T2GN44PU	LIM1TR5T2GN44PU		
0-2300 PSI (0-160 BAR), UL	4,600 psi	LIM1106T2GN44PU	LIM1TR6T2GN44PU		
0-3,000 PSI (0-200 BAR), UL	6,000 psi	LIM1107T2GN44PU	LIM1TR7T2GN44PU		
0-3,600 PSI (0-250 BAR), UL	7,200 psi	LIM1108T2GN44PU	LIM1TR8T2GN44PU		
0-4000 PSI (0-300 BAR), UL	8,000 psi	LIM1109T2GN44PU	LIM1TR9T2GN44PU		
0-5,000 PSI (0-350 BAR), UL	10,000 psi	LIM1101U2GN44PU	LIM1TR1U2GN44PU		
0-6,000 PSI (0-400 BAR), UL	12,000 psi	LIM1102U2GN44PU	LIM1TR2U2GN44PU		
0-7500 PSI (0-520 BAR), UL	15,000 psi	LIM1103U2GN44PU	LIM1TR3U2GN44PU		
0-9000 PSI (0-600 BAR), UL	18,000 psi	LIM1104U2GN44PU	LIM1TR4U2GN44PU		
0-10,000 PSI (0-700 BAR)	20,000 psi	LIM1105U2GN44PU	LIM1TR5U2GN44PU		

Series Number (how to order)

LIM Engineering Order		LIM - [] - [] - [] - [] - [] - [] - [] - [] - []									
OUTPUT	4...20 mA, 2-wire	1									
	0...10 Vdc, 3-wire	3									
ELECTRICAL CONNECTION	1...5 Vdc, 3-wire	5									
	0.5...4.5 Vdc, 3-wire, ratio-metric output (UL listing not included)	R									
SERIES PRESSURE RANGE (PSI)	Cable Outlet, PVC Shielded & jacketed #24 A/WG (1 meter), IP67, UL Listed	T	R								
	Mini-DIN 43650 Type C, IP65, UL Recognized	C	1								
ACCURACY	M12 circular male connector, IP67, UL Listed	M	0								
	DIN 43650 Type A, IP65, UL Recognized	1	0								
PROCESS CONNECTION	Active/Dolphin Metripack 150 Series, IP65, UL Recognized	M	1								
	Deutsch Connector 3-Pin, IP65, UL Recognized	D	3								
SEAL	Deutsch Connector 4-pin, IP65, UL Recognized	D	4								
	0-1 PSI (0-0.1 BAR), UL			1	P						
APPROVALS	0-5 PSI (0-0.35 BAR), UL			2	P						
	0-7 PSI (0-0.5 BAR), UL			3	P						
SPECIAL	0-15 PSI (0-1 BAR), UL			4	P						
	0-25 PSI (0-1.6 BAR), UL			5	P						
SEAL	0-30 PSI (0-2 BAR), UL			6	P						
	0-36 PSI (0-2.5 BAR), UL			7	P						
SEAL	0-50 PSI (0-3 BAR), UL			8	P						
	0-60 PSI (0-4 BAR), UL			9	P						
SEAL	0-87 PSI (0-6 BAR), UL			1	S						
	0-100 PSI (0-7 BAR), UL			2	S						
SEAL	0-150 PSI (0-10 BAR), UL			3	S						
	0-200 PSI (0-15 BAR), UL			4	S						
SEAL	0-230 PSI (0-16 BAR), UL			5	S						
	0-300 PSI (0-20 BAR), UL			6	S						
SEAL	0-360 PSI (0-25 BAR), UL			7	S						
	0-500 PSI (0-35 BAR), UL			8	S						
SEAL	0-580 PSI (0-40 BAR), UL			9	S						
	0-725 PSI (0-50 BAR), UL			1	T						
SEAL	0-870 PSI (0-60 BAR), UL			2	T						
	0-1,000 PSI (0-70 BAR), UL			3	T						
SEAL	0-1,500 PSI (0-100 BAR), UL			4	T						
	0-2,000 PSI (0-150 BAR), UL			5	T						
SEAL	0-2300 PSI (0-160 BAR), UL			6	T						
	0-3,000 PSI (0-200 BAR), UL			7	T						
SEAL	0-3600 PSI (0-250 BAR), UL			8	T						
	0-4000 PSI (0-300 BAR), UL			9	T						
SEAL	0-5,000 PSI (0-350 BAR), UL			1	U						
	0-6,000 PSI (0-400 BAR), UL			2	U						
SEAL	0-7500 PSI (0-520 BAR), UL			3	U						
	0-9000 PSI (0-600 BAR), UL			4	U						
SEAL	0-10,000 PSI (0-700 BAR)			5	U						
	0.25% Gauge pressure					2	G				
SEAL	0.25% Absolute pressure (0-1psi - Vacuum)					2	A				
	1/8" NPT male							N	8		
SEAL	1/4" NPT male							N	4		
	G 1/4" male, quarter seal							G	4		
SEAL	7/16-20 UNF male (JIC 37°)							U	7		
	7/16-20 SAE #4 ORB							S	7		
SEAL	17-4 PH Stainless Steel with NBR O-ring									4	P
	316 Stainless Steel all welded (up to 500 psi)									6	S
SEAL	UL Approval (up to 9K psi for 4P Seal or up to 500 psi for 6S Seal)										U
	PSI pressure range										
SEAL	BAR pressure range										R 1
	Additional 6 ft (2m) PVC cable										R 1 1
SEAL	Additional 10 ft (3m) PVC cable										C L 1
	Additional 15 ft (4.5m) PVC cable										C L 2
SEAL	Restrictor Screw (included x1,500 psi)										C L 3
	Larger pressure port opening (0.125" / 3.2mm)										2 1 0
SEAL	Special										2 1 2
											2 * *