

- 316L Stainless steel wetted parts
- 7 µin Ra Surface finish option
- %<sub>16</sub>-18 UNF Male/Female fixed, swivel and flow through process connections (compatible with 1/4 VCR® fitting)
- 100% Helium leak tested
- Class 100 cleanroom packaged and double bagged
- Available in Gauge and Compound ranges

#### **TYPICAL USES**

- High purity gas delivery systems
- Gas sticks
- Process gas analyzers

					<b>CE</b>	SPE		NC
P	ΕВ		15110	IAN	CE.	SPE		NS
		· · · ·					 	 

PERFORMANCE SP	ECIFICATIONS			
Static Accuracy:	±0.25% of span @ 73.4 °F (23 °C) Accuracy includes the effects of linearity, hysteresis and repeatability			
Stability:	<0.25% of span/Yr			
Temperature Effect:	$\pm 0.02\%$ of span/°C (Zero & Span) in operating temperature range			
ENVIRONMENTAL S	PECIFICATIONS			
Operating Temperature:	-4 °F to 158 °F (-20 °C to 70 °C)			
Storage Temperature:	-22 °F to 176 °F (-30 °C to 80 °C)			
Humidity:	35% to 85% RH			
FUNCTIONAL SPEC	IFICATIONS			
Ranges:	Compound: Vacuum & 45 psi to Vacuum & 3000 psi Gauge: 0-45 psi to 0-3000 psi			
Response Time:	≤ 5 mSec (10% to 90%)			
Leakage Test:	< 5 x 10 <sup>-11</sup> atm cc/s			
Proof Pressure:	150% of F.S.			
ELECTRICAL SPECI	FICATIONS			
Output Signal:	4-20 mA (2 Wire)			
Supply Voltage	10-30 Vdc			
Load Resistance:	R max ( $\Omega$ ) = 50 (V supply) - 500 (see line load chart)			
Insulation Resistance:	$> 100 M\Omega$ at 50 Vdc			
EMC/EMI:	EN61326-1: 2013, EN61326-2-3: 2013			



ZT12 Transmitter Standard Gauge Pressure



#### **KEY BENEFITS**

- Ultra-compact size ideal for high density mounting
- Ultraclean design & packaging
- 316L SS Wetted parts for protection against corrosion

PHYSICAL SPECIFICATIONS						
Ingress Rating:	IP67					
Case Material:	304 Stainless steel, PBT					
Pressure Connection:	$\%_{\rm 6}\text{-}18\text{UNF}$ (compatible with $1\!\!\!/_4$ VCR®) swivel Male or Female, or Male fixed or Male flow through					
Surface Finish:	20 µin or 7 µin Ra (0.5 µm or 0.18 µm Ra)					
Unit Weight:	Аррх 70g					
WETTED MATERIALS						
Pressure Sensor:	316L Stainless steel					
APPROVALS						
CE, UKCA, RoHS						
APPROVALS	316L Stainless steel					

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# ASHCRO Trust the shield.

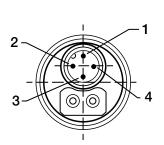


ORDERING CODE Example:	<b>ZT</b> 12	3	MVS	42	E4	1	3000#	G	-X1N
Model									
ZT12	ZT12								
Accuracy									
3 - ±0.25% of span		3	-						
Pressure Connection			-						
MVF - %-18 UNF (compatible with 1/4 VCR®) Male fixed									
MVS - %16-18 UNF (compatible with 1/4 VCR®) Male swivel			MVS						
FVS - <sup>9</sup> / <sub>16</sub> -18 UNF (compatible with <sup>1</sup> / <sub>4</sub> VCR <sup>®</sup> ) Female swivel									
MVT - %16-18 UNF (compatible with 1/4 VCR®) Male flow through									
Output									
42 - 4 to 20 mA (2 Wire)				42					
Electrical Termination									
E4 - M12 Connector (4 Pin) w mating connector & 9 foot (3 meter) cable					E4				
Surface Finish / Cleaning Grade									
0 - GP Grade 20 μin (0.5μm) Ra & grease free cleaned							-		
1 - EP Grade 7 μin (0.18μm) Ra & cleaned with no particles 0.1μm or great	ter					1	-		
Pressure Range							-		
V/45#									
V/75#									
V/150#									
V/250#									
V/300#									
V/500#									
V/750#									
V/1500#									
V/3000#									
45#									
75#									
150#									
250#									
300#									
500#									
750#									
1500#									
3000# (See range table for all standard ranges)							3000#		
Pressure Type									
G - Gauge and Compound								G	
Options (If indicating an option, must include an "X" (-X)									х
1N - Material Test Report/ Traceability Certificate									1N

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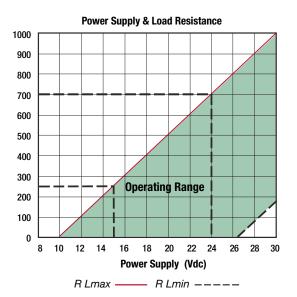


STANDARD RANGES						
psi	bar	mPa				
V/45#	N1/3BR	NP1/P3MP				
V/75#	N1/5BR	NP1/P5MP				
V/150#	N1/10BR	NP1/1MP				
V/250#						
V/300#	N1/20BR	NP1/2MP				
V/500#	N1/35BR	NP1/3P5MP				
V/750#	N1/50BR	NP1/5MP				
V/1500#	N1/100BR	NP1/10MP				
V/3000#	N1/200BR	NP1/20MP				
45#	3BR	РЗМР				
75#	5BR	P5MP				
150#	10BR	1MP				
250#	17BR	1P7MP				
300#	20BR	2MP				
500#	35BR	3P5MP				
750#	50BR	5MP				
1500#	100BR	10MP				
3000#	200BR	20MP				

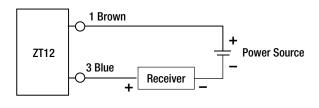


CONNECTOR & WIRING					
Terminal Number	2-Wire System	Cable Color			
1	Power source (+)	Brown			
2		White			
3	Power source (-)	Blue			
4		Black			

#### **POWER SUPPLY & LOAD RESISTANCE**



### WIRING SCHEMATIC



1- Brown: Power source (+)

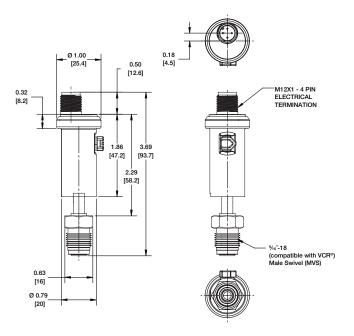
3- Blue: Power source (-)

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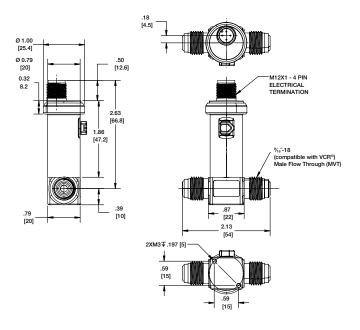


#### **DIMENSIONS Inches [mm]**

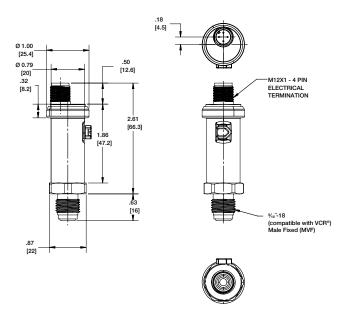
#### MVS - %16-18 UNF (compatible with 1/4 VCR®) Male Swivel



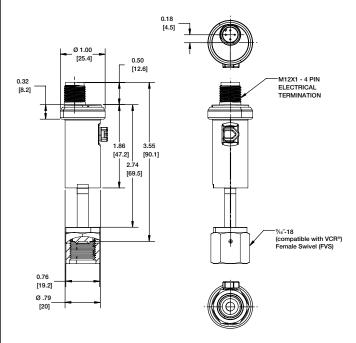
MVT - %16-18 UNF (compatible with 1/4 VCR®) Male Flow Through



MVF - %16-18 UNF (compatible with 1/4 VCR®) Male Fixed



FVS -  $\$_{16}\mbox{--}18$  UNF (compatible with  $1\!\!\!/_4$  VCR®) Female Swivel



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