

Model 424



FEATURES

- Small size –7/8"diameter
- ±0.08% Combined Accuracy (Standard)
- 0-3 thru 0-5,000 PSI ranges
- 0-5Vdc output for PSIA
 0.25-5.25 Vdc output for PSIG
- Stainless steel construction
- RoHS compliant

TYPICAL APPLICATIONS

- Automotive test
- Brake test
- Engine test
- Transmission test
- Leak detection







HIGH-PERFORMANCE

Our Model 424 is a versatile high-performance test and control sensor that offers a fast response time, noise immunity, and is CE compliant. Viatran takes pride in offering excellent customer support combined with a technically superior product.

INSPIRED BY SMALL SPACES

Developed for engine test stands with space constraints, the Model 424 is small in size, but packs a high-performance punch. The electronics and silicon sensor design have a combined accuracy of better than $\pm 0.08\%$. Available standard output is 0-5 Vdc for PSIA or 0.25 - 5.25 Vdc for PSIG measurements.

Viatran's ability to customize products provides extreme flexibility, allowing the 424 to easily fit into your existing system. Options include alternate pressure ports, electrical connectors, direct-coupled cable, and various electrical outputs.

EASILY ADAPTABLE

The "424" series is just one of the latest additions to Viatran's portfolio of pressure sensors. They are designed to fit a wide range of applications where accuracy, stability, and reliability are important. The RoHS compliant 6-pin bayonet circular connector is one of many standard features.

OUR COMMITTMENT TO QUALITY

The "424" series design will perform and maintain on site durability in the most severe applications. To satisfy your unique application requirements, Viatran will also modify our standard products to meet your needs.

Viatran's vision is to be your fastest, easiest and most trusted solution.

Call us today to explore the solutions we have to offer.

1.800.688.0030

Your local applications specialist:

Model 424

PERFORMANCE		Full Scale Pressure Range (FSPR)	0-3 thru 0-5,000 PSI (0-0.2 to 0-345 bar)
		Zero balance	
		Non-Linearity (Best Fit Straight Line)	≤±0.06% FSO standard, optional ±0.04%
		Hysteresis & Repeatability	•
		Full Scale Output	
		Long Term Stability	
		Compensated Temperature	•
		Operating Temperature Range	,
		Storage Temperature	•
		Maximum Fluid Temperature	
		·	, , ,
		Combined Thermal Effect (Zero & Span) ≤±2% FSO per 100°F typical	
ELECTRICAL		Supply Voltage	9 to 30 Vdc
		Power Supply Regulation	<±0.05% FSO per Volt
		11,3	0-5 Vdc (PSIA) 0.25 - 5.25 Vdc (PSIG)
			Short circuit and reverse polarity protected
			Withstand 1000 volt spike per EN6100-4-5
		RFI/EMI Suppression	
		Insulation Resistance	·
		Response Time	
		Electrical Connections	6-pin bayonet style SST (standard)
		Pin A +Power Pin B -Power Pin C +Signal Pin D -Signal	
		Pin E DC ground (standard) Pin F No connection	
Co	unnactor Ontions	BP	Migro change (M12)
CO	nnector Options	BN	
		ZU	
MECHANICAL CONNECTION		Pressure Connection	1/8" NPT female
			3x range or 1,200 PSI (whichever is less) for 0-3 thru 0-500 PSI 3x range or 9,000 PSI (whichever is less) for 0-1,000 thru 5,000 PSI
		Burst Pressure	5x range or 2,400 PSI (whichever is less) for 0-3 thru 0-500 PSI 5x range or 10,000 PSI (whichever is less) for 0-1,000 thru 0-5,000 P
		Pressure Cavity Volume	1.5 mL
		Mounting	May be supported by process piping
MATERIALS OF CONSTRUCTION		Wetted Parts	
		Housing	
		Weight	
		Identification	Laser etched onto body





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Alternate Pressure Ports

OPTIONS

DG	Cleaning for oxygen service Modified FSO < 5Vdc Special calibration
EH	Extended Compensated Temperature Range (Hot) +70°F to 185°F (21°C to 85°C)
NH	Customer specified marking
VB	G 1/8" (DIN3852-2) (Male)
VC	G 1/8" (DIN3852-2) (Female)
VE	
VF	1/4" tube Swagelok Bulkhead
VG	M12 x 1.5 mm (Female)
VH	
WQ	
YA	MS33649-04 (7/16-20 UNJF-3B) (Female)
YC	MS33656-04 (7/16-20 UNF-3A) (Male)
YH	1/8" NPTM
YI	1/8" NPTF (Standard)
YJ	

ACCESSORIES

Mating cable assembly Pressure port adapters

YK......1/4" NPTM

DIMENSIONAL DATA





