



Differential Pressure Transmitter

One-Touch® Digital Push-Button Calibration Technology, ± 0.25 , ± 1 , or $\pm 2\%$ Accuracy

Models Select Chart

EXAMPLE	616KD	A	00	AT	Series 616KD-A-00-AT, Differential Pressure Transmitter, 4-20mA, range 0-1" w.c., with aluminum tag
SERIES	616KD				Differential Pressure Transmitter
ACCURACY		A B C			0.25% FS Accuracy 1.0% FS Accuracy 2.0% FS Accuracy
RANGE			00 01 02 03 04 05 06 07 08 10 11 12 13 14 15 50 51 52 53 54 55 56 58		0-1" w.c. (not valid with -A) 0-2" w.c. (not valid with -A) 0-3" w.c. 0-5" w.c. 0-10" w.c. 0-15" w.c. 0-20" w.c. 0-25" w.c. 0-40" w.c. 0-250 Pa 0-500 Pa (not valid with -A) 0-750 Pa 0-1250 Pa 0-2500 Pa 0-5000 Pa 0 to ±1" w.c. (not valid with -A) 0 to ±2" w.c. (not valid with -A) 0 to ±5" w.c. 0 to ±10" w.c. 0 to ±250 Pa 0 to ±500 Pa (not valid with -A) 0 to ±750 Pa 0 to ±1250 Pa
OPTIONS				AT COC FC NIST TC V Z1 Z2	Aluminum Tag Certificate of Conformance Factory Calibration NIST Certification Terminal Cover Voltage output 0 to 5, 1 to 5, 0 to 10, 2 to 10 VDC (field selectable) +/- 1%FS Zero-Deadband (Only with -A/B/C) +/- 2%FS Zero-Deadband (Only with -A/B/C)

Accessories

Model	Description
A-618	Protective terminal cap
A-489	4" 303 SS straight static pressure tip with flange.
SCD-PS	100 to 240 VAC/VDC to 24 VDC power supply.
A-360	Aluminum DIN rail
A-302F-A	303 SS Static pressure tip with mounting flange, for 3/16" I.D. rubber or plastic tubing. 4" insertion depth, includes mounting screws
A-480	Plastic static pressure tip.

Specifications:-

Service	:	Air and non-combustible, compatible gases.
Wetted Materials	:	Consult factory.
Accuracy	:	616KD-A: $\pm 0.25\%$ FS; 616KD-B: $\pm 1\%$ FS, 616KD-C: $\pm 2\%$ FS
Stability	:	$\pm 1\%$ FS/year
Temperature Limits	:	0 to 140°F (-17.8 to 60°C).
Compensated Temperature Range	:	20 to 122°F (-6.67 to 50°C).
Pressure Limits	:	2 psig (ranges 5" w.c. or lower); 5 psig (ranges 10 to 40" w.c.).
Thermal Effect	:	616KD-A: $\pm 0.02\%$ FS/°F; 616KD-B: $\pm 0.04\%$ FS/°F; 616KD-C: $\pm 0.06\%$ FS/°F, includes zero and span.
Power Requirements	:	4-20 mA output: 10 - 35 VDC (2 wire) or 12-26 VAC (4 wire); 5V output: 10 - 35 VDC (3 wire) or 12-26 VAC (4 wire); 10V output: 13 - 35 VDC (3 wire) or 12-26 VAC (4 wire) for 616KD A and B. 16 to 36 VDC (2 or 3 wire): 20 to 28 VAC (3 wire) for 616KD.
Output Signal	:	4 to 20 mA or option with field selectable 0 to 10, 0 to 5, 2 to 10, 1 to 5 V.
Zero and Span	:	Push button.

Adjustments		
Loop Resistance	:	4 to 20 mA output (DC): 0 to 1250 Ω max. $R_{max} = 50(V_{psDC} - 10) \Omega$; 4 to 20 mA output (AC): 0 to 1200 Ω max. $R_{max} = 50(1.4 V_{psAC} - 12) \Omega$; Voltage output: 5K Ω minimum.
Current Consumption	:	24 mA max for 616KD A and B. 21 mA max for 616KD.
Electrical Connections	:	Screw-type terminal block.
Process Connections	:	Barbed, dual size to fit 1/8" & 3/16" (3 mm and 5 mm) ID rubber or vinyl tubing.
Enclosure Rating	:	NEMA 1 (IP20).
Mounting Orientation	:	Vertical with pressure connections pointing down.
Weight	:	1.8 oz (51 g).
Agency Approval	:	CE.