



Differential Pressure Indicating Transmitter, ATEX Approved

605 in Flame-Proof ATEX Enclosure

Models Select Chart

EXAMPLE	AT23000-00	MR	00	X	X	X	A	O	1	X	T2	<p>Series AT23000MR-00-XXX-AO1XT2 Photohelic® Gage with ATEX Enclosure, range .05-0-.2, electromechanical relays, standard 15 psig, aluminum housing, 1/8" npt female brass pressure port, standard plug without overpressure relief valve, stainless steel tag</p>
SERIES	AT23000-00											Photohelic® Gage with ATEX Enclosure
RANGE	3000 3000 3001 3002 3003 3004 3005 3006 3008 3010 3015 3020 3025 3030 3040 3050 3060 3080 3100 3150 3000 3300 3301 3302 3304 3310 3320 3330		00 0 00N 0									0-0.25" w.c. 0-0.5" w.c. 0-1" w.c. 0-2" w.c. 0-3" w.c. 0-4" w.c. 0-5" w.c. 0-6" w.c. 0-8" w.c. 0-10" w.c. 0-15" w.c. 0-20" w.c. 0-25" w.c. 0-30" w.c. 0-40" w.c. 0-50" w.c. 0-60" w.c. 0-80" w.c. 0-100" w.c. 0-150" w.c. .05-0-.2" w.c. .25-0-.25" w.c. .5-0-.5" w.c. 1-0-1" w.c. 2-0-2" w.c. 5-0-5" w.c. 10-0-10" w.c. 15-0-15" w.c.

3000	00AV	0-.25" w.c. & 300-
3000	0AV	2000 FPM AV
3201		0-.5" w.c. & 500-2800
3202		FPM AV
3203		0-1 psid
3204		0-2 psid
3205		0-3 psid
3210		0-4 psid
3215		0-5 psid
3220		0-10 psid
3230		0-15 psid
3000	6MM	0-20 psid
3000	10MM	0-30 psid
3000	25MM	0-6 mm w.c.
3000	50MM	0-10 mm w.c.
3000	80MM	0-25 mm w.c.
3000	100MM	0-50 mm w.c.
3300	20MM	0-80 mm w.c.
3300	30MM	0-100 mm w.c.
3300	40MM	10-0-10 mm w.c.
3000	15CM	15-0-15 mm w.c.
3000	20CM	20-0-20 mm w.c.
3000	25CM	0-15 cm w.c.
3000	50CM	0-20 cm w.c.
3000	80CM	0-25 cm w.c.
3000	100CM	0-50 cm w.c.
3000	150CM	0-80 cm w.c.
3000	200CM	0-100 cm w.c.
3000	250CM	0-150 cm w.c.
3000	300CM	0-200 cm w.c.
3300	4CM	0-250 cm w.c.
3300	10CM	0-300 cm w.c.
3300	20CM	2-0-2 cm w.c.
3300	30CM	5-0-5 cm w.c.
3000	60PA	10-0-10 cm w.c.
3000	125PA	15-0-15 cm w.c.
3000	250PA	0-60 Pa
3000	500PA	0-125 Pa
3000	750PA	0-250 Pa
3300	120PA	0-500 Pa
3300	250PA	0-750 Pa
3300	500PA	60-0-60 Pa
3000	1KPA	125-0-125 Pa
3000	1.5KPA	250-0-250 Pa
3000	2KPA	0-1 kPa
3000	3KPA	0-1.5 kPa
3000	4KPA	0-2 kPa
3000	5KPA	0-3 kPa
3000	8KPA	0-4 kPa
3000	10KPA	0-5 kPa

	3000 3000 3000 3000 3300 3300 3000 3000 3000		15KPA 20KPA 25KPA 30KPA 1KPA 3KPA 20MBAR 100MBAR 500MBAR									0-8 kPa 0-10 kPa 0-15 kPa 0-20 kPa 0-25 kPa 0-30 kPa .5-0-.5 kPa 1.5-0-1.5 kPa 0-20 mbar 0-100 mbar 0-500 mbar
GAGE TYPE		MR MRS										Electromechanical Relays Solid State Relays
PRESSURE RATING				X MP HP								Standard 15 psig Medium Pressure 35 psig High Pressure 80 psig
CONSTRUCTION					X							Standard Construction
TEMPERATURE RATING						X LT						Standard Low Temperature Option
HOUSING MATERIAL							A					Aluminum
COVER								B O				Blind Top Cover Glass Top Cover
PRESSURE CONNECTION									1 2			1/8" npt female Brass Pressure Port 1/8" npt female Stainless Steel Port
OVERPRESSURE PLUG										X OPV		Standard Plug without Overpressure Relief Valve Overpressure Relieft Valve material same as port
TAG											T2	Stainless Steel Tag

Specifications:-

Gauge Specifications

Service	:	Air and non-combustible, compatible gases.
Wetted Materials	:	Consult factory.
Accuracy	:	See 605 ordering page.
Pressure Limits	:	See 605 ordering page.
Temperature Limits	:	20 to 120°F (-6.67 to 48.9°C); Case: -76 to 140°F (-60 to 60°C) (Note: Product temperature limits differ from case).

Transmitter Specifications

Accuracy	:	See 605 ordering page (includes linearity, hysteresis, repeatability).
Compensated Temperature Range	:	32 to 120°F (0 to 48.9°C).
Thermal Effect	:	±0.025% FS/°F (0.045% FS/°C).
Stability	:	±1% FS/year.
Power Requirements	:	10 to 35 VDC (2-wire).
Output Signal	:	4 to 20 mA.
Zero and Span Adjustments	:	Protected potentiometers on 605 face. Can access those by opening case. Allowed only in safe zone.
Loop Resistance	:	DC: 0 to 1250 Ω max.
Current Consumption	:	DC: 38 mA max.
Electrical Connections	:	Screw terminal block.
Mounting Orientation	:	Diaphragm in vertical position.
Enclosure Rating	:	IP66. IP65 with option OPV, overpressure relief valve.
Housing Material	:	Aluminum.
Finishing	:	Texture epoxy coat RAL7038.
Pressure Connections	:	1/8" NPT female brass (SS optional). In presence of acetylene it is necessary to use SS.
Electrical Connections	:	Two 1/2" FNPT. Cable gland not included.

Weight	:	12.6 lb (5.7 kg).
ATEX Approved Products from Comhas with ECN	:	BVI 14ATEX0072.
Agency Approvals	:	CE 1370 II2 GD Ex d IIC Gb T6; -60°C ≤ Ta ≤ +60°C Ex tb IIIC Db T 85°C.