



AHH SMART PRESSURE TRANSMITTER SERIE

FEATURES

- High accuracy from $\pm 0,075\%$ F.S.
- 20:1 Turndown
- HART protocol
- 12 to 45 Vdc power supply for two-wire 4~20mA output
- 220Vac power supply option
- High stability and reliability
- Relative Humidity: 0-100%
- Stainless steel wetted parts
- Explosion-proof housing
- Intrinsically safe certification
- Miniaturization total height 166mm
- Diaphragm options: 316L, TAN, HAS-C, MONEL and others.
- LCD or LED display



DESCRIPTION

AET controls produces the AHH smart pressure transmitters based on capacitive sensor. The electronic design allows a high performance and reliability for heavy duty applications for the industry. The AHH series has incorporated a broad selection of options like accuracy, power supply, ranges, diaphragms and other that makes these transmitters the best choice for the process.



SPECIFICATIONS

Power supply:	12 up to 45 Vdc. 24Vdc normal. Reverse polarity protected 220Vac optional
Overpressure:	<180kPa ranges: 4MPa >1000kPa ranges: 2URL
Ambient temperature:	-30 to 90°C
Process temperature limits:	Sensor filled with siliconl: -40 to 104°C Diaphragm filled with standard silicone: -40 to 149°C Diaphragm filled with high temperature silicone: -20 to 315°C
Accuracy:	+/-0.075%, +/-0.1%, +/-0.25%, +/-0.5%, F.S.
Wetted parts:	SS316
Indicator:	LCD or LED
Protection:	Nema 4X
Turndown:	20:1
Protocol:	Hart
Explosion proof:	d IIBT4
Intrinscally safe:	ia II CT6
Diaphragm options:	316L, Tantalum, Hastelloy C, Monel and others
Housing material:	low copper aluminium alloy



RANGES AND MODELS

	AHHGP series (pressure transmitter)	AHHAP series (absolute pressure transmitter)	AHHDP series (differential pressure transmitter)
Measure range	0-0.25 - 1.5kPa 0-1.2 - 7.2kPa 0-6 - 36kPa 0-30 - 180kPa 0-160 - 1000kPa 0-400 - 2500kPa 0-1600 - 10000kPa 0-4000 - 25000kPa 0-7000 - 40000kPa	0-0.25 - 1.5kPa 0-1.2 - 7.2kPa 0-6 - 36kPa 0-30 - 180kPa 0-160 - 1000kPa 0-400 - 2500kPa 0-1600 - 10000kPa 0-4000 - 25000kPa 0-7000 - 40000kPa	0-1.2 - 7.2kPa 0-6 - 36kPa 0-30 - 180kPa 0-160 - 1000kPa 0-400 - 2500kPa 0-1600 - 10000kPa
	AHHDR series (micro differential pressure transformer)	AHHHP series (high hydrostatic pressure differential pressure transmitter)	AHHSP series (vacuum pressure transmitter)
Measure range	0-0.06 - 0.3Kpa 0-0.25 - 1.5Kpa	0-6 - 36kPa 0-30 - 180kPa	0-0.25 - 1.5kPa 0-1.2 - 7.2kPa 0-6 - 36kPa 0-30 - 98kPa