ST-AT Differential Pressure Transmitter

AT9000 Advanced Transmitter is a microprocessor-based smart transmitter that features high performance and excellent stability. Capable of measuring gas, liquid, vapor, and liquid levels, it transmits 4 to 20 mA DC analog and digital signals according to the measured differential pressure.

It can also execute two-way communications between the Smart Communicator or HART® 375 communicator, thus facilitating self-diagnosis, range resetting, and automatic zero adjustment.

ST-AT FLANGED DIFFERENTIAL PRESSURE TRANSMITTER

ST-AT-FLG

FEATURES

■ High performance and stability - Unique characterization and composite semiconductor sensors realize high accuracy up to 0.04% F.S. proven sensor technology enables Longterm stability up to 0.1% of URL per 10-year.

■ Wide measuring range (rangeability) – A wide measuring range is available from a single model. This feature is highly effective in taking measurements over a wide range and reducing the need for inventory.

■ Remote communication - Two-way communication using digital output facilitates self-diagnosis, range resetting, automatic zero adjustment, and other operations. HART® protocol communication is available

■ A diverse flange lineup, ranging from small diameter 1.5 inch (40 mm) and 2 inches (50 mm) to 3 inches (80 mm), is available to meet user requirements.

SPECIFICATIONS

Enclosure	NEMA3 and 4XIEC IP67
Approvals	FM Intrinsically Safe, Explosion Proof, NonIncendive / ATEX Intrisically Safe, Flame Proof, NEPSI
	IECEx Flame Proof and Intrisically Safe, Type N, EMC and PED Conformity
Output Signal	3.6 to 21.6 mA / 3.8 to 20.5 mA (NAMUR NE43 compliant)
Outputs	Analog output (4 to 20 mA DC) with DE protocol
	Analog output (4 to 20 mA DC) with HART protocol
	Digital output (DE protocol)

POWER

Supply Voltage	17.9 to 42V DC. Reverse polarity protection is standard.
Failure Alarm	Upper: 21.6 mA or more / Lower: 3.6 mA or less

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YOUR PRODUCTIVITY. **ENGINEERED.**