



ST-AT DIFFERENTIAL PRESSURE TRANSMITTER

ST-AT-DP

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.

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

SPECIFICATIONS

Process Connection	Rc 1/2, 1/2 NPT internal thread and Rc 1/4, 1/4 NPT internal thread
Approvals	FM Intrinsically Safe, Explosion Proof, NonIncendive / ATEX Intrinsically Safe, Flame Proof, NEPSI, IECEx Flame Proof and Intrinsically 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