



Level Transmitter

ATS - LT 2000

Product Datasheet

SPECIFICATIONS

Measuring Range	Metric Models 0.00 – 1.00 Meter 0.00 – 2.00 Meter 0.00 – 3.50 Meter 0.00 – 7.00 Meter 0.00 – 10.0 Meter 0.00 – 25.0 Meter 0.00 – 40.0 Meter Note: (Fluid is Calibrated at H₂O @ 25°C for more details, contact AT Systems for information)	
Accuracy	LT-2000L ±0.25 % Accuracy ±0.5 % Linearity ±0.1 % Hysteresis ±0.1 % Repeatability	LT-2000H ±0.1 % Accuracy ±0.5 % Linearity ±0.1 % Hysteresis ±0.1 % Repeatability
Calibration Mode	Level Transmitter comes factory calibrated Two Potentiometers are provided to adjust span and offset pressure with corresponding analog values	
Analog Output	4-20mA corresponding to Pressure, +/- 0.01mA accuracy, 0.01mA resolution, maximum load 500Ω	
Temperature	Full Temperature compensation throughout the Range Operating Temperature range of both liquid and gas (-40°C to +80°C)	
Compatibility/Make	Available in SS 304 or SS 316 User must mention the required body material before placing order	
Power Requirement	+12 - 24 VDC (Maximum up to 40 VDC) with Polarity Protection Shielded 2 conductor wire is also available on user request.	
IP Class Protection	Ingress Protection of IP65 Double external and internal protection	
Mechanical Connection	Standard ¼ inch Male BSPP Connection User can require ½ inch of BSPP or NPT connection Require 27mm spanner for mechanical installation (Please refer to user manual for further information) For Sanitary connection, 1.5-inch Tri-Clamp fitting is available at user request.	
Accessories (Cable)	IP 65 Gland, Twice the length of the maximum range selected	
Weight	SS316 ≈ 155 grams Approx.	
Standard Model No	LT-2000H1ADC (Typical standard model number)	



INTRODUCTION

ATS-LT 2000 Level Transmitter is an industry standard External mount transmitter based on hydrostatic pressure measuring technology. Compatible to ATS-LV 1000 Level controller the transmitter is fabricated with high quality SS 316 and has an anticlogging design which require less maintenance while in operation. Transmitter can easily be installed externally on any tank. ATS-LT 2000 is best used for food industry.

APPLICATIONS

- SILO TANKS
- SYRUP TANKS
- FUEL TANKS
- EDIBLE OIL TANKS
- DAIRY STORAGE TANKS
- OVERHEAD WATER TANKS
- DOMESTIC WATER TANKS