

ULTRASONIC LEVEL METER

MODEL **LT-100**



 **LETECH Co., Ltd.**



■ Major Features

- Built-in temperature sensor for automatic temperature compensation
- Advanced LCD for distinct indication of Level, Temperature, and %
- Degree: $\pm 0.25\%$ F.S Resolution: 1mm
- Easy settings for simple operation, post-installation range, contact signal, and indication unit with only 4 buttons
- "----" shown on the display for measuring disability or converter error
- Heightened reliability with low-price standard
- Built-in noise filter

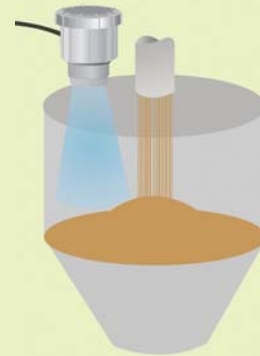
■ Major Functions

- Isolation output of DC 4-20mA
- Indication unit selectable by meter or centimeter
- Easier calibration of current output and zero-span
- Tracking rate adjustable from 0.18m to 9m per minute
- Noise Monitoring

■ Applications



Fluid Flow Level Measurement



Gas Flow Level Measurement



Level Measurement for Lake, River or
Agricultural Drainage Canal



Water Level Measurement of Clean Water or Sewage



Product Specification

MODEL	LT-100
Measuring method	Ultrasonic pulse reflection testing principle
Measuring range	0.3 ~ 6.5M
Control method	CPU control method
Frequency	50KHz
Degree	$\leq \pm 0.25\%$ F.S
Beam degree	6°
Outline dimensions	$\varnothing 93 \times 110\text{mm}$
Output	DC 4 ~ 20mA (Load resistance 500 Ω), RS-485 (Option)
Resolution	1mm
Response speed	0.33 ~ 10sec (variable)
Tracking speed	0.18m ~ 9m/min (variable)
Memory backup	EEPROM
Mounting	Flange Type, $>80\text{A}$
Indication	LCD (4 digit), Level, Temp, %, error
Operation	-20 ~ +80°C
Storage temperature	-30 ~ +80°C
Structure	IP 65
Material	PP
Power	DC12 ~ 24V (2wire)
Pressure rating	-0.3 ~ 1.5Kgf/cm ²
Conduit	G2"
Weight	350g

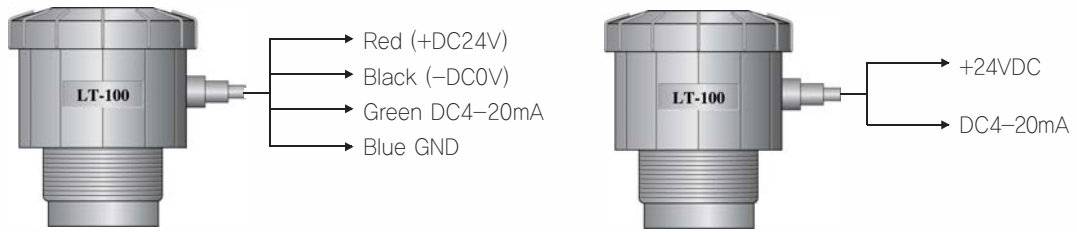
Order Information

MODEL : LT-100 > [RANGE](#) > [POWER](#) > [OUTPUT](#) > [FLANGE](#)





■ Circuit Diagram



- White Lead Wire: DC +24V
- Black Lead Wire: DC 0V

■ Outside View



Bargraph Meter Relay



- MODEL : 1900
- Input : DC 4-20mA
- Degree : $\pm 0.25\%$
- Output : DC 4-20mA, HH, H, L, LL
- Indication : Red LED
- Response Speed : 0.5s
- Power: AC 90 ~ 240V, DC 24V