

We provide your solutions



CDP-100S Pressure Type Level Transmitter

CDP SERIES



VARIOUS LEVEL SENSORS & CONTROLLERS FOR YOUR APPLICATIONS

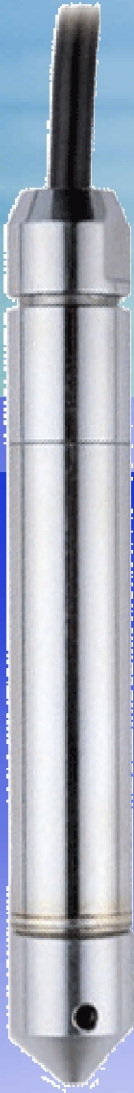


CDI TECH CO.,LTD.

Suite 706 World Meridian Venture Center II, 426-5, Kasan-Dong, Kumchun-Gu, Seoul, Korea
Phone : 82-2-2025-8188 FAX: 82-2-2025-8187 e-mail: cdi@cdinstech.com
Web : www.cdikorea.com

We provide your solutions

CDP-100S Pressure Type Level Transmitter



GENERAL DESCRIPTION

CDP-100 series submersible or tank level pressure transmitter has been developed for measuring and monitoring water or liquid level in industrial and communal hydrostatic applications. The built-in piezoresistive silicon measuring element designed offers great accuracy, excellent long term stability and very low temperature drift.

The compact transmitter design allows versatile applications and are suitable for measuring dynamic and static pressure. The level pressure transmitters are available for absolute or relative pressure with 2 wire current output and can be used for wide ranges of application in process control, level measurement of open weirs or stilling wells, tanks farms and paper liquors.

It is designed as a general industrial level pressure transmitter with wide variety of available options to meet specific application requirements and constructed of water proofed.

FEATURE & APPLICATIONS

FEATURE

- Rugged Construction and Excellent Cable
- High Accuracy
- Low Temperature Drift
- Excellent Long Term Drift
- Measuring Range from 0-0.05 to 10 kg.f/cm² Gauge Pressure
- Measuring Range from 0-1 to 10kg.f/cm² Gauge or Absolute Pressure
- Shock and Vibration Resistant
- Water Proofed Construction

APPLICATIONS

- Geophysical Applications
- Level Measurement in Storage Tank
- Underground Water Monitoring in Both Communal and Industrial Areas
- Water and Waste Water Treatment
- Water Supplies and Reservoirs
- Well and Borehole Probe
- Marine Research

We provide your solutions



CDP-100S Pressure Type Level Transmitter

TECHNICAL SPECIFICATIONS

Model	CDP-100S
Pressure range	0-0.06....10kgf/cm ² gauge 0-1....10kgf/cm ² absolute
Overload	3 x FS without damage
Output signal	4-20mA DC Current output 1-5V DC Voltage output available
Excitation voltage	18-36V DC
Influence of excitation voltage	less than 0.01% FSO/V
Media	Water, oil and other liquids
Power ripple	less than 500mV P-P
Load resistance	500Ω at 24V DC
Reverse polarity protection	Yes
Shock resistance	less than 20G
Accuracy	±0.2% FSO
Linearity	0.100% of span, BFSL
Repeatability	0.015% of span, BFSL
Hysteresis	0.010% of span, BFSL
Stability of sensitivity	0.200% of span, BFSL
Stability of zero	0.300% of span, BFSL
Cutoff frequency (-3dB)	0...> 5kHz
Reference temperature	35°C
Thermal sensitivity shift	0.500% of span, BFSL
Thermal zero shift	0.500% of span, BFSL
Long-term stability	0.300% of span over 6 months
Temperature compensated	0-82°C
Operating temperature range	-40°C to 125°C
Pressure nose cap	Com (standard)
Material of wetted plug	Filter
diaphragm	Stainless steel 316
housing	Stainless steel 316L SS
gasket O-ring	Stainless steel 316
external cable cover	Viton
venting tube	Poly Urethan
Wire construction	Teflon
Cable dia-meter	6 wires, venting tube, sheilded Approx. Φ7.5mm
Options	Terminal head with flangel Local indicator Explosion proofed terminal box

