



L051

Submersible Pressure Transmitter

Level-L051

www.eyc-tech.com

| Features |

- Housing SS316 outer, diameter 27 Ø
- Compact and rugged design and easy to install
- With reasonable price, high accuracy and good stability in a long-run
- Cable material: PVC or PTFE

| Applications |

This submersible pressure transmitter is easy to apply in open container and rivers / Plunge the transmitter into the bottom of rivers and you can get level signal of lower limit and upper limit / Drinking water equipment / Pit sinking / Waste water plant / Big container and barrel / Flow current (rivers and lakes)

Specification

Input

Sensor type	Piezoresistive diaphragm																	
Input type	Level																	
Measuring range	0 ... 10 bar																	
Cable overload range	<table><tr><td>Pressure range</td><td>0.5</td><td>1</td><td>2</td><td>5</td><td>10</td></tr><tr><td>Overload range</td><td>2.5</td><td>3</td><td>4</td><td>7</td><td>15</td></tr></table>						Pressure range	0.5	1	2	5	10	Overload range	2.5	3	4	7	15
Pressure range	0.5	1	2	5	10													
Overload range	2.5	3	4	7	15													

Output

Output	4 ... 20 mA
Signal connection	2-wire
Linear accuracy	±0.5% of F.S.
Load resistance	[Ohm] ≤ (Operating voltage 10V) / 0.02A-0.15Ω x cable length(M)
Response time	± 10% of zero-point and full-scale (ZERO & SPAN) adjustment span
Response time	≤ 5 ms

Environment

Medium	Liquid
Operating temperature	0 ... 50°C
Operating humidity	0 ... 100%RH
Storage temperature	-25 ... +60°C
Zero-point error	±0.2% F.S. / 10K

Electrical

Power supply	DC 10 ... 30 V
Current consumption	≤ 21 mA
Overvoltage protection	< DC 33 V
Electrical connection	Specific cable

Installation

Installation	Submersible
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Protection

IP rating	IP68
Electrical protection	Reverse polarity Over-voltage Short circuit

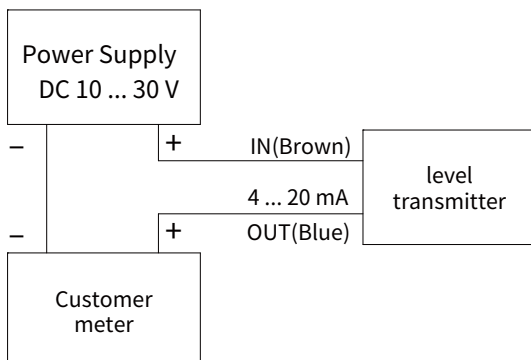
Certification

Certification	CE
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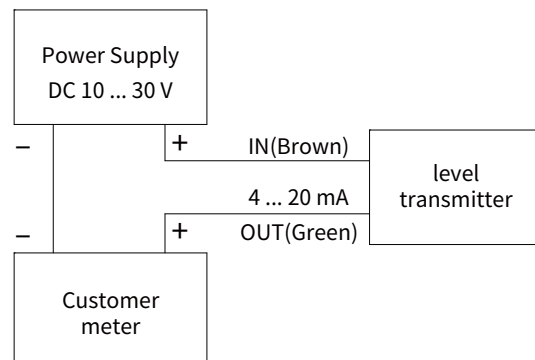
Material

Housing	SUS 316
Wetted part	SUS 316
Cable	PVC / PTFE
Weight (w / o cable)	350 g

Connection Diagram

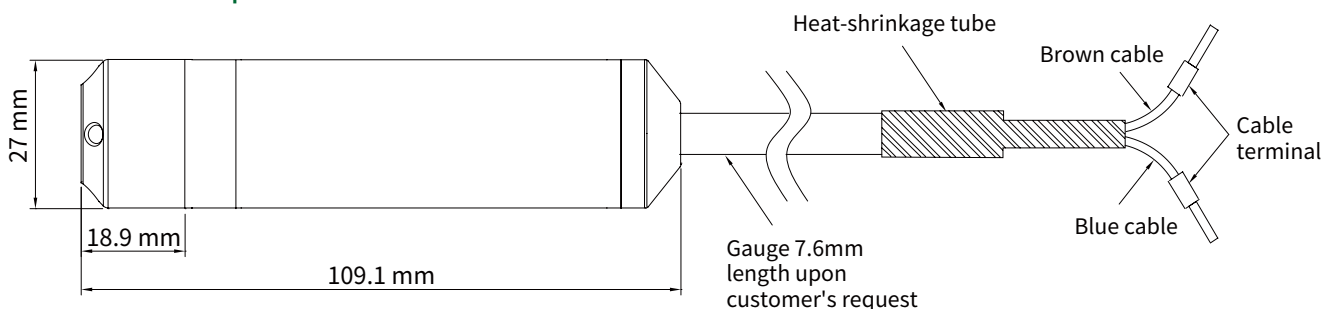


PVC cable



PTFE cable

Dimension



| Ordering Guide |

Product ordering number	Product Specifications
L051-0310-05-1	0.25 bar, 4 ... 20 mA, DC 10 ... 30 V, PVC 5 m
L051-0410-06-1	0.4 bar, 4 ... 20 mA, DC 10 ... 30 V, PVC 6 m
L051-0610-08-1	0.6 bar, 4 ... 20 mA, DC 10 ... 30 V, PVC 8 m
L051-1110-12-1	1 bar, 4 ... 20 mA, DC 10 ... 30 V, PVC 12 m
L051-1210-18-1	1.6 bar, 4 ... 20 mA, DC 10 ... 30 V, PVC 18 m
L051-1310-27-1	2.5 bar, 4 ... 20 mA, DC 10 ... 30 V, PVC 27 m
L051-1410-42-1	4 bar, 4 ... 20 mA, DC 10 ... 30 V, PVC 42 m
L051-1610-62-1	6 bar, 4 ... 20 mA, DC 10 ... 30 V, PVC 62 m
L051-2110-A2-1	10 bar, 4 ... 20 mA, DC 10 ... 30 V, PVC 102 m
L051-XXXX- 00-1 (Option)	Option : (00 is cable length) PVC / per m
L051-0310-05-2	0.25 bar, 4 ... 20 mA, DC 10 ... 30 V, PTEF 5 m
L051-0410-06-2	0.4 bar, 4 ... 20 mA, DC 10 ... 30 V, PTEF 6 m
L051-0610-08-2	0.6 bar, 4 ... 20 mA, DC 10 ... 30 V, PTEF 8 m
L051-1110-12-2	1 bar, 4 ... 20 mA, DC 10 ... 30 V, PTEF 12 m
L051-1210-18-2	1.6 bar, 4 ... 20 mA, DC 10 ... 30 V, PTEF 18 m
L051-1310-27-2	2.5 bar, 4 ... 20 mA, DC 10 ... 30 V, PTEF 27 m
L051-1410-42-2	4 bar, 4 ... 20 mA, DC 10 ... 30 V, PTEF 42 m
L051-1610-62-2	6 bar, 4 ... 20 mA, DC 10 ... 30 V, PTEF 62 m
L051-2110-A2-2	10 bar, 4 ... 20 mA, DC 10 ... 30 V, PTEF 102 m
L051-XXXX- 00-2 (Option)	Option : (00 is cable length) PTEF / per m

| Additional Option Test Report |

■ ILAC / TAF

YUDEN-TECH CO.,LTD. Calibration Laboratory - (ILAC / TAF) Test report.

(TAF accreditation:3032, complying with ISO / IEC 17025) TAF has mutual recognition arrangement with ILAC MRA

Project	Measurand level or range
Pressure transmitter	Gauge pressure : 10 ... 7000 kPa

■ ISO 9001

Project	Measurand level or range
Pressure	Relative pressure : $\leq$ 6000 kPa