



L055

Level-L055

www.eyc-tech.com

Acid-Alkali Resistance Liquid Level Transmitter



| Features |

- High purity ceramic(99.99% Al_2O_3) manufacturing, with strong corrosion resistance
- Fluoro rubber ring waterproof seal
- Corrosion resistant design of probe and wire
- The measurement ranges from 0 ... 0.1 ... 20 bar
- Contain high molecular sieve to prevent condensation
- Multiple protection structure design, high protection ability

| Introduction |

L055 Acid-alkali resistance liquid level transmitter is all sealed submerged structure and adopts ceramic capacitor pressure sensor. The probe threw in the measured medium adopts PVDF acid-alkali resistance materials. The gas-guide cable adopts PTFE liquid level wire, which is mainly used for liquid level measurement of acid, base and other corrosive medium. The shell, wire, and other connection parts are sealed completely, which ensures the long service life of transmitter. The unique inner structure with anti-condensation function can be widely used in the occasions for process control in the fields of chemistry, environment protection, medicine industries, etc.

| Applications |

Chemical sites / Industrial sewage / Open type water pond / Pail trough / Corrosive liquids containing strong acid and alkali

Specification

Input

Measuring range 0 ... 0.1 ... 20 bar

Protection

IP rating IP68(only refers to sensor)

Output

Output signal DC 4 ... 20 mA (2-wire), RS-485 (4-wire)

Material

Input part shell PVDF

Accuracy $\pm 0.5\%F.S.$

Sensors Ceramic Al_2O_3

Long-term stability $\pm 0.2\%F.S./year$

Input air guide cable Anti-corrosion air guide cable(PTFE)

Temp. coefficient of zero $\pm 0.02\%F.S./^{\circ}C$ (Reference 25°C)

O-ring FKM(Fluoro rubber)

Temp. coefficient of full scale $\pm 0.02\%F.S./^{\circ}C$ (Reference 25°C)

Supply voltage DC 24 V

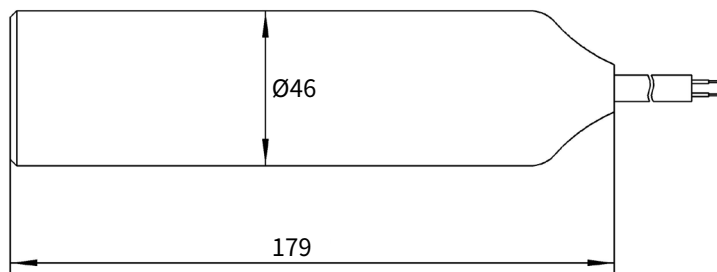
Environment

Medium Various liquid compatibles with ceramic and fluororubber

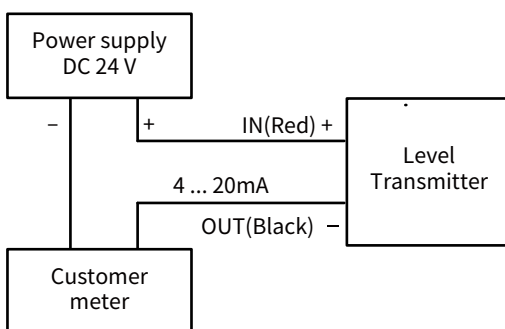
Operation temperature -0 ... 70°C

Dimension

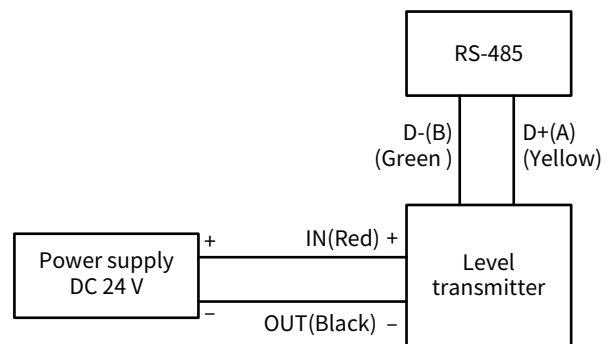
Unit:mm



Diagram



4 ...20 mA / 2-wire



RS-485 / 4-wire

| Ordering Guide |

	Pressure range	Output	Cable length	Cable Material	Options
L055 —	01	1	—	03	— 2
	01:0 ... 0.1 bar 02:0 ... 0.16 bar 03:0 ... 0.25 bar 04:0 ... 0.4 bar 06:0 ... 0.6 bar 11:0 ... 1 bar 12:0 ... 1.6 bar 13:0 ... 2.5 bar 14:0 ... 4.0 bar 16:0 ... 6.0 bar 21:0 ... 10 bar 22:0 ... 16 bar 23:0 ... 20 bar	1:4 ... 20mA N:RS-485	03:3 m (Recommended measuring range + 2 meters, Example:0.1bar, 3 meters recommended, order number 03)	PTFE	W Other request

| Notice |

- When selecting the type, please note that the tested medium should be compatible with the part in contact with the product and the medium, and the specific gravity of the tested medium should be noted.
- The cable length L of the input part is recommended to be one to two meters higher than the measuring range, example : 0 ... 1bar=3m.

| Additional Option Test Report | For more detailed information please contact us.

■ 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