



LLI

Features 1.Terminal box type 2.With adjustment function

- Large terminal box type with the zero and span adjustment function
- Outdoor specification / Waterproof IP67 structure
- Pressure sensor with a welded structure that does not use an O-ring in the wetted part
- Support of a wide range of pressure media such as water, oil, and gas
- Output of 4 to 20 mADC from a built-in amplifier circuit



Specifications

Model	LLI									
	N-100KP	-020KP	-050KP	-100KP	-300KP	-500KP	-001MP	-002MP	-003MP	-005MP
Rated pressure * 1	0 to -100kPa	0 to 20kPa	0 to 50kPa	0 to 100kPa	0 to 300kPa	0 to 500kPa	0 to 1MPa	0 to 2MPa	0 to 3MPa	0 to 5MPa
Pressure type	Gauge pressure * 2 * 3								Shield gauge pressure	
Overpressure	150% of the rated pressure									
Wetted part material	Diaphragm : SUS316L Pressure port : SUS316									
Sealing liquid	Silicone oil									
Applicable media	Gas and fluid (media not damaging the wetted part material)									
Power supply	12 to 28VDC									
Output	4 to 20mADC									
Load resistance	600 Ω or less (at power of 24 VDC)									
Responsiveness	5msec or less									
Accuracy (linearity)	± 0.5% F.S. or less * 4 (± 0.3% F.S. or less)									
Temperature characteristics	± 0.05% F.S. / °C or less (0 to 60°C)									
Compensated temperature range	0 to 60°C									
Operating temperature range (Measurement medium temperature)	- 20 to 80°C (no freezing allowed) - 20 to 100°C (no freezing allowed)									
Operating humidity range	35 to 85% RH (no dew condensation allowed)									
Pressure connection port	R1/4 (standard) · R3/8 · R1/2 · G1/4 · G3/8									
Terminal box	Material : Aluminum die casting									
Wire outlet	G1/2 Applicable outer cable diameter : φ 8.0 to 8.5									
Structure	IP67									
Insulation resistance	100M Ω or more / 500VDC									
Withstand voltage	500VAC, 1 minute									
Vibration resistance	98.1m / s ² , 2 hours (X, Y, and Z directions)									
Weight	Approx 400g									
Impact of mounting orientation (port orientation changed from downward to sideways)	+ 0.1% F.S.	+ 0.5% F.S.	+ 0.3% F.S.	+ 0.1% F.S.						

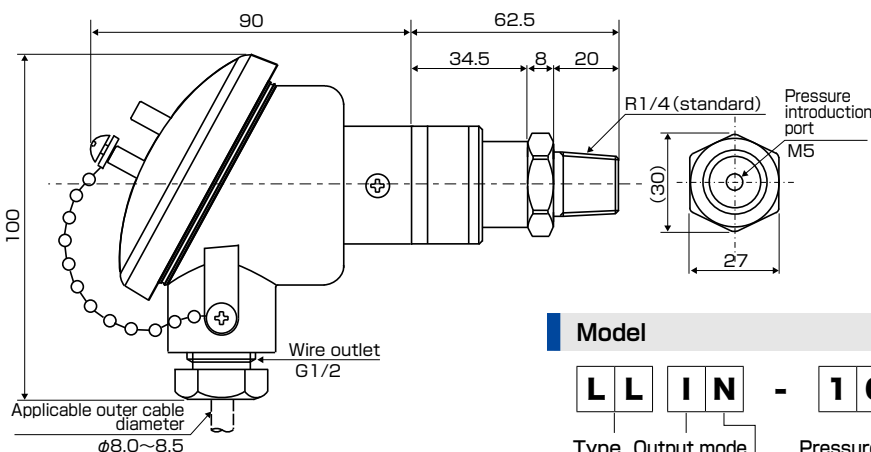
* 1. We also manufacture compound pressure sensors (gauge pressure of 500 kPa or less).

* 2. Make sure that the operating vacuum pressure is 10 kPa abs or more. (Operating temperature range: 0 - 60°C)

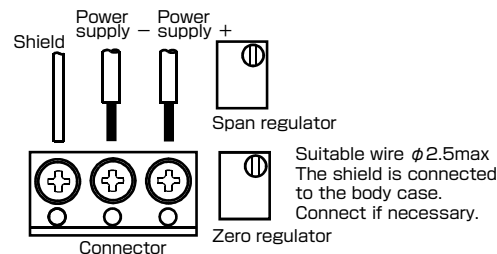
* 3. Use a wiring cable for atmospheric pressure correction.

* 4. We also manufacture high-accuracy pressure sensors (accuracy: ± 0.25% F.S. or less).

Dimensions (Units : mm)



Internal terminal block / wires



Model

LLIN - 100KP - R3

Type	Output mode	Pressure range	Unit of pressure	Pressure connection port
L	L	I	N	Space
Terminal box type	Special	Positive pressure	kPa	R1/4 (standard)
		Negative pressure	MPa	R3 : R3/8
		Compound pressure		G3 : G3/8
				R4 : R1/2
				G2 : G1/4