



MLH Series All-Metal Pressure Sensors

MLH Series pressure sensors combine the latest in application-specific integrated circuit (ASIC) technology with proven media-isolated metal diaphragm design. This digitally compensated sensor offers an unparalleled value and performance combination that makes it an ideal pressure-sensing solution for demanding applications. Fully temperature-compensated, calibrated and amplified, the MLH is available in 50 PSI to 8,000 PSI pressure ranges.

Features ▶

- Delivers $\pm 0.25\%$ full-scale accuracy, best-fit straight line (BFSL), and 2% total error at -40°C to $+125^{\circ}\text{C}$ (-40°F to $+257^{\circ}\text{F}$)
- All-metal wetted parts for use in a wide variety of media applications
- No internal elastomeric seals, to help avoid media compatibility issues
- Amplified outputs eliminate cost of external amplifiers

Benefits ▶

- Reverse polarity and overvoltage protection guard against reversed excitation
- Less than 2 ms response time provides accurate, high-speed measurement
- Rated IP65 or better for protection from harsh environments
- Exceeds CE heavy industrial EMC for use in areas of high RFI/EMI

Applications ▶

- Refrigeration and HVAC/R
- General industrial
- General hydraulics
- Off-road vehicles
- Braking systems
- Natural gas vehicles

Product Specifications ▶

Part Number	Pressure Range (PSI)	Pressure Reference (PSI)	Connector	Port Size	Output
MLH100PAG01B	100	A	DIN43650C	1/4 inch NPT	4 mA-20 mA
MLH100PGB01A	100	G	Packard	1/4 inch NPT	0.5 VDC-4.5 VDC
MLH100PGL06A	100	G	1m cable	1/8 inch NPT	0.5 VDC-4.5 VDC
MLH100PGM01B	100	G	3m cable	1/4 inch NPT	4 mA-20 mA
MLH150PSB01A	150	S	Packard	1/4 inch NPT	0.5 VDC-4.5 VDC
MLH150PSB01B	150	S	Packard	1/4 inch NPT	4 mA-20 mA
MLH200PSB06A	200	S	Packard	1/8 inch NPT	0.5 VDC-4.5 VDC
MLH200PSB06B	200	S	Packard	1/8 inch NPT	4 mA-20 mA
MLH250PGB01A	250	G	Packard	1/4 inch NPT	0.5 VDC-4.5 VDC
MLH250PSB01A	250	S	Packard	1/4 inch NPT	0.5 VDC-4.5 VDC
MLH250PSB01B	250	S	Packard	1/4 inch NPT	4 mA-20 mA
MLH250PSB06A	250	S	Packard	1/8 inch NPT	0.5 VDC-4.5 VDC
MLH500PSB01A	500	S	Packard	1/4 inch NPT	0.5 VDC-4.5 VDC
MLH500PSB01B	500	S	Packard	1/4 inch NPT	4 mA-20 mA
MLH500PSB09C	500	S	Packard	1/4 SAE Fem	1 VDC-6 VDC
MLH500PSG01B	500	S	DIN43650C	1/4 inch NPT	4 mA-20 mA
MLH500PSL06A	500	S	1m cable	1/8 inch NPT	0.5 VDC-4.5 VDC
MLH01KPSB01B	1000	S	Packard	1/4 inch NPT	4 mA-20 mA
MLH01KPSB06A	1000	S	Packard	1/8 inch NPT	0.5 VDC-4.5 VDC
MLH01KPSB06B	1000	S	Packard	1/8 inch NPT	4 mA-20 mA
MLH05KPSB01A	5000	S	Packard	1/4 inch NPT	0.5 VDC-4.5 VDC
MLH03KPSB01B	3000	S	Packard	1/4 inch NPT	4 mA-20 mA
MLH03KPSB01G	3000	S	Packard	1/4 inch NPT	1 VDC-5 VDC
MLH03KPSB10B	3000	S	Packard	7/16-20 UNF	4 mA-20 mA
MLH03KPSL01A	3000	S	1m cable	1/4 inch NPT	0.5 VDC-4.5 VDC
MLH03KPSL01G	3000	S	1m cable	1/4 inch NPT	1 VDC-5 VDC
MLH05KPSB01B	5000	S	Packard	1/4 inch NPT	4 mA-20 mA

Honeywell

Industrial Potentiometers

Measure linear and rotary position or displacement. Use a tried and true potentiometric technology originally developed for military applications. The proprietary MystR® conductive plastic has an extensive temperature range and infinite resolution. It provides absolute position measurement on power-up.



Features ▶

- Available with a variety of resistance values
- Superior dynamic noise
- Long rotation life
- Linear taper
- Robust nickel-plated brass shaft and bushings

Benefits ▶

- Provide superior control for applications that require high performance in a cost-effective device
- Military-qualified potentiometers available
- Smooth feel, quiet electrical output
- Multiple terminal configurations

Applications ▶

- Welding/heating equipment and electrohydraulic controls
- Material handling
- Manual controls
- Joysticks
- Telecommunications and powered access

Product Specifications ▶

	Part Number	Series	Description	Resistance Value(s)	Power Rating (W)	Rotational Life	Shaft	Terminal Type	Resistance Tolerance (%)	Electrical Taper	Standards
Industrial	53C1-resistance value	53	Industrial potentiometer with linear electrical taper	100, 250, 500, 1K, 2.5K, 5K, 10K, 25K, 100K, 250K, 500K, 1M	2	25K cycles	2 inch long, round	Solder lug	±10	Linear	NA
	RV4NAYSD__A	RV4	Industrial potentiometer, conductive plastic element	100, 250, 500, 1K, 2.5K, 5K, 10K, 25K, 100K, 250K, 500K, 1M	2	25K cycles	0.875 inch long, round	Solder lug	±10	Linear	Meets MIL-PRF-94
	380C1-resistance value	380	Industrial potentiometer, conductive plastic element	100, 250, 500, 1K, 2.5K, 5K, 10K, 25K, 100K, 250K, 500K, 1M	2	100K cycles	2 inch long, round	Solder lug	±10	Linear	Meets MIL-PRF-94
	C0416392	485	Industrial potentiometer, conductive plastic element	1 kOhm	2	1 million rotations	0.875 inch long, round	Solder lug	±10	Linear	NA
	C0416393	485	Industrial potentiometer, conductive plastic element	5 kOhm	2	1 million rotations	0.875 inch long, round	Solder lug	±10	Linear	NA
	C0416394	485	Industrial potentiometer, conductive plastic element	10 kOhm	2	1 million rotations	0.875 inch long, round	Solder lug	±10	Linear	NA
	485TSG502A	485TS	45° short resistive element	5 kOhm ±10%	1	1 million rotations	.812 inch long, slotted	NA	NA	NA	NA
	485TSG502B	485TS	60° short resistive element	5 kOhm ±10%	1	1 million rotations	.812 inch long, slotted	NA	NA	NA	NA
	485TSG502C	485TS	90° short resistive element	5 kOhm ±10%	1	1 million rotations	.812 inch long, slotted	NA	NA	NA	NA
Precision	578X1G48S102SA	578	Conductive plastic element, PC terminals, 0.5W power rating, 1 kOhm resistance value	1 kOhm	0.5	2.5 million cycles	25 mm (0.984 inch)	PC	±10	Linear	NA
	578X1G48S502SA	578	Conductive plastic element, PC terminals, 0.5W power rating, 5 kOhm resistance value	5 kOhm	0.5	2.5 million cycles	25 mm (0.984 inch)	PC	±10	Linear	NA
	578X1G48S103SA	578	Conductive plastic element, PC terminals, 0.5W power rating, 10 kOhm resistance value	10 kOhm	0.5	2.5 million cycles	25 mm (0.984 inch)	PC	±10	Linear	NA