

MP SENSOR P.Touch Series Pressure Transmitters



The MP Sensor P.Touch pressure transmitter boasts a combination of user-friendly interface, advanced features, and robust design tailored for industrial automation. The MP Sensor P.Touch stands out for its intuitive touchscreen interface, high precision, and industrial durability, making it especially valuable for modern automated production lines where ease of use, digital integration, and reliable performance are essential.

Features

TFT Touch Display

Built-in touch display lets users view readings and adjust settings directly, simplifying setup and troubleshooting. Housing rotates 350° to allow for ideal display viewing.

High Accuracy & Stability

Delivers ±0.5% or better accuracy with low temperature drift and long-term stability—ideal for precise, reliable control.

Compact & Rugged

Slim design fits tight spaces. Stainless Steel Construction and high IP rating (IP65/IP67/IP68) ensures durability in harsh environments.

Versatile Outputs

Supports analog (4–20 mA, 0–10V, 1–10V), switch (PNP, NPN, push-pull), and digital (IO-Link) outputs for broad compatibility with PLCs and Industry 4.0 systems.

Customizable Settings

Adjustable pressure range, units, output behavior, and switch points. Lockout feature prevents unauthorized changes.

Fast Response

<3 ms response time suits high-speed applications like robotics and leak detection.

Diagnostics

Includes pressure peak monitoring and counters for switching operations, and pressure load changes.

Applications

- Process control & automation
- Pump & compressor control
- Hydraulic systems
- Pneumatic systems
- Engine monitoring
- Refrigeration equipment
- Presses
- Machine tools



MP Sensor P.Touch Series Pressure Transmitters

Part Number	Price	Output 1	Output 2	Pressure Range	Process Connection	Electrical Connection	Operating Voltage	Drawing Link
5-11-3132-030200	\$197.00	switch (N.O. / N.C.) PNP / NPN / push-pull selectable IO-Link	switch (N.O. / N.C.) PNP / NPN / push-pull selectable 4-20 mA / 0-10 VDC / 1-10 VDC	-14.5 to 30 psig	1/4in male NPT	4-pin M12 quick-disconnect	13-30 VDC	PDF
5-11-3132-050000	\$197.00			0 to 50 psig				PDF
5-11-3132-100000	\$197.00			0 to 100 psig				PDF
5-11-3132-200000	\$197.00			0 to 200 psig				PDF
5-11-3132-300000	\$197.00			0 to 300 psig				PDF
5-11-3132-500000	\$197.00			0 to 500 psig				PDF
5-11-3132-1K0000	\$197.00			0 to 1000 psig				PDF
5-11-3132-2K0000	\$197.00			0 to 2000 psig				PDF

Programming Options

Outputs	Switching/re-switching points; start/end value for analog output; hysteresis/window mode; normally closed/ normally open contact; switch-on/switch-off delay
Display	Display mode (simple / detail / off); color behavior; rotation; brightness; update rate; screen lock
Measuring Value	Units; Damping; Resolution
Diagnosis	
Pressure Peaks	Counter, adjustable threshold, reset
Counters	Switching operations; load changes; operating hours; starting cycles

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MP Sensor P.Touch Series Pressure Transmitters General Specifications

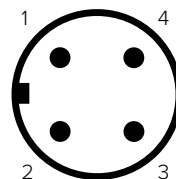
Housing Material	Glass, Stainless Steel
Materials (wetted parts)	Stainless Steel 316L, Ceramic Al2O3 96%, FKM
Display	0.96in color TFT LCD touchscreen
Operating Temperature	-13 to 176°F (-25 to 80°C)
Medium Temperature	-13 to 212°F (-25 to 100°C)
Storage Temperature	-22 to 185°F (-30 to 85°C)
Current Consumption	< 30 mA
Protection**	IP 65 / 67 / 68
Accuracy*	± 0.50% of full range
Temperature Coefficient	+/- 1.5% (<1,450psi); +/-2.5% (>1,450 psi)
Shock Resistance	50g, 11ms, XYZ (DIN EN 60068-2-27)
Vibration Resistance	20g, 10-2000 Hz, XYZ (DIN EN 60068-2-6)
Response Time	<3 ms
Reverse Polarity and Short Circuit	Yes
Life Span	100 million cycles
Stability	Less than 0.1% / year
Agency Approvals	UL, CE, RoHS

*Note - Includes non-linearity, hysteresis & non-repeatability.

**Protection rating is dependent on the protection rating of the M12 cable used.

MP Sensor P.Touch Series Proof & Burst Pressures

Measuring Range (psi)	30	50	100	200	300	500	1000	2000
Overload Pressure (psi)	145	145	290	580	580	1450	2175	5438
Burst Pressure (psi)	290	290	508	870	870	2030	4351	7251



Pin Designation

Pin No.	Assignment
1	Ub+
3	0V
4	Output 1 / IO-Link
2	Output 2