

FICTIONAL DEMO DOCUMENT - SPECIMEN ONLY. NOT A REAL PRODUCT, APPROVAL OR CERTIFICATE.

PR-110

Gauge Pressure Transmitter

Compact ceramic-sensor transmitter for general process pressure.

KEY FEATURES

- Ceramic sensing element with 4× overload tolerance
- Rotatable housing with local display
- HART 7 and 4–20 mA from the same two wires

The PR-110 is a general-purpose gauge pressure transmitter for liquids and gases. A ceramic capacitive-free piezoresistive cell is laser-welded to a 316L process port, so there are no seals to age.

TECHNICAL SPECIFICATION

MEASUREMENT	
Principle	Piezoresistive pressure sensing
Measuring range	0 to 600 bar
Accuracy	±0.1 % of span
OUTPUT	
Signals	4–20 mA, HART
PROCESS	
Connection	Threaded
Process temperature	-40 to 125 °C
ENVIRONMENT	
Ingress protection	IP67
APPROVALS	
Approvals (demo)	Hazardous-area protection (Ex d), Functional safety SIL 2 capable
MEASUREMENT	
Overload limit	4× span, max 1,000 bar
Long-term stability	±0.1 % of span per year
PROCESS	
Wetted materials	316L stainless, ceramic
ELECTRICAL	
Supply voltage	10.5–35 V DC
ENVIRONMENT	
Ambient temperature	-40 to 85 °C

Specifications are illustrative demo values created for the INSTRAVA template. Replace with your own product data.