

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

PR-510

Hygienic Flush-Diaphragm Transmitter

Crevise-free tri-clamp transmitter that survives CIP and SIP.

KEY FEATURES

- Crevise-free flush diaphragm
- Tri-clamp and dairy connections
- Survives CIP at 140 °C and SIP at 150 °C

The PR-510 is built for food, beverage and pharmaceutical lines where product must never collect behind a sensor. The diaphragm sits flush with the process wall and the surface is polished to Ra 0.4 µm.

TECHNICAL SPECIFICATION

MEASUREMENT	
Principle	Piezoresistive pressure sensing
Measuring range	0 to 40 bar
Accuracy	±0.2 % of span
OUTPUT	
Signals	4–20 mA, IO-Link
PROCESS	
Connection	Tri-clamp
Process temperature	-20 to 150 °C
ENVIRONMENT	
Ingress protection	IP69K
APPROVALS	
Approvals (demo)	Hygienic design
PROCESS	
Wetted materials	316L, Ra <= 0.4 µm
Connection sizes	1.5 in and 2 in tri-clamp, DN25 dairy
Cleaning	CIP to 140 °C, SIP to 150 °C
ELECTRICAL	
Supply voltage	10–30 V DC
ENVIRONMENT	
Washdown rating	IP69K

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