

RPE SANITARY SERIES—RPS



Sanitary Resistive Chain Level Measurement

The RPS Sanitary Resistive Chain Level Probe provides reliable, continuous level measurement for hygienic applications. With 3-A certification, it meets strict food and beverage industry standards, delivering accurate, consistent readings in demanding environments while ensuring long-lasting, dependable performance.

FEATURES

- Continuous level indication
- Resistive chain design
- Rugged and highly reliable
- 3-A approval for sanitary applications
- Designed for quick process removal cleaning

COMMON APPLICATIONS

The RPS Sanitary level sensors are designed to continuously measure liquid levels in applications requiring 3-A sanitary compliance.



RPS SPECIFICATIONS

PERFORMANCE

- Accuracy: +/- 0.125 in. (3.175 mm)
- Resolution: +/- 0.25 in. (6.35 mm)
- RTD—(Type PT100):
 - Accuracy: $\pm 1^{\circ}$ C
 - Resolution: 1° C
- Float Specific Gravity: 0.65 max.

ENVIRONMENTAL

- Process Temperature: 0° – 200° F (-18° – 93° C)

ELECTRICAL

- Supply Voltage: 5–30 VDC

CONNECTIVITY

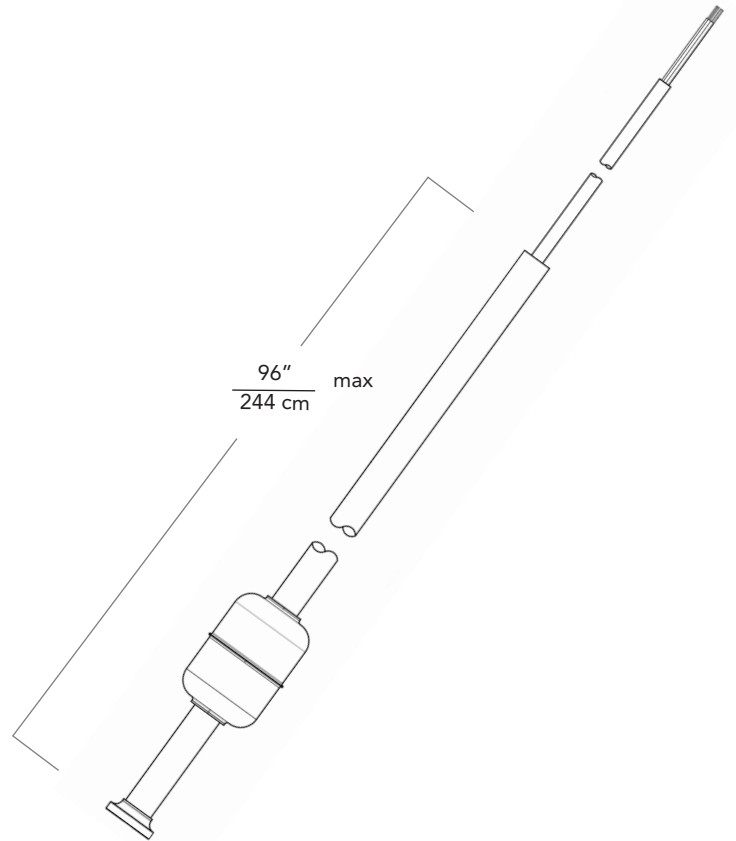
- Output: 5–30 VDC Resistive chain

PHYSICAL

- Overall Length: up to 96 in. (244 cm.)
- Stem Material: 304 SS
- Float Material: 316L SS
- Float Stop: 316L SS
- Cable: 5-conductor, shielded, 22 AWG, polyurethane jacket

CERTIFICATION

- 3-A Compliance: Standard 74-07
Certificate Authorization Number: 1509



MODEL CONFIGURATION OPTIONS

MODEL NUMBER: RPS – $\frac{\quad}{A}$ – $\frac{S}{B}$ – $\frac{2}{C}$ – $\frac{C}{D}$ – $\frac{\quad}{E}$ – $\frac{\quad}{F}$

A. RTD & Probe Mounting

- ☐ XX* No mounting
- ☐ T-XX Stem RTD (1 in. from bottom of stem), No mounting

B. Stem Material

- ☐ S 304 SS

C. Stem & Accessories Finish

- ☐ 2 Sanitary

D. Float

- ☐ C 2.13h x 1.48d in. Oblong 316L SS (0.62 SG)

E. Total Stem Length**

- ☐ _____ Up to 96 in. (244 cm.) overall length. Specify in Inches

F. Cable Length

- ☐ _____ Specify in Inches

*Note: This option is standard.

**Note: See specifications on page 2 for Measureable vs Overall stem length.