

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 3A 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
- Anti-stick float design
- 3A 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 3A sanitary compliance.



RPS SPECIFICATIONS

PERFORMANCE

- **Accuracy:** +/- 0.12 in. (3 mm)
- **Resolution:** +/- 0.25 in. (6.4 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

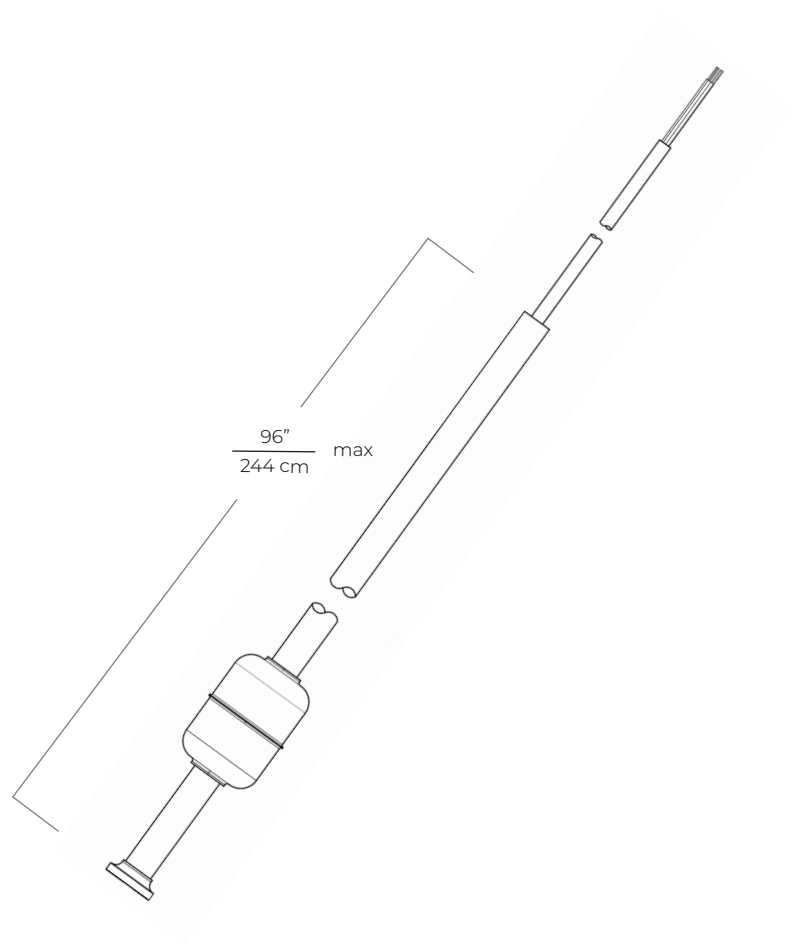
- **Output:** 5–30 VDC Resistive chain

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

- **3A 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 (0.65 SG max)

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.