

# 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: +/- 0.12 in. (3 mm)
- Resolution: +/- 0.25 in. (6.4 mm)
- RTD—(Type PT100):
  - Accuracy:  $\pm 1^{\circ}\text{C}$
  - Resolution:  $1^{\circ}\text{C}$
- Float Specific Gravity: 0.65 max.

## ENVIRONMENTAL

- Process Temperature:  $0^{\circ}\text{--}200^{\circ}\text{F}$  ( $-18^{\circ}\text{--}93^{\circ}\text{C}$ )

## ELECTRICAL

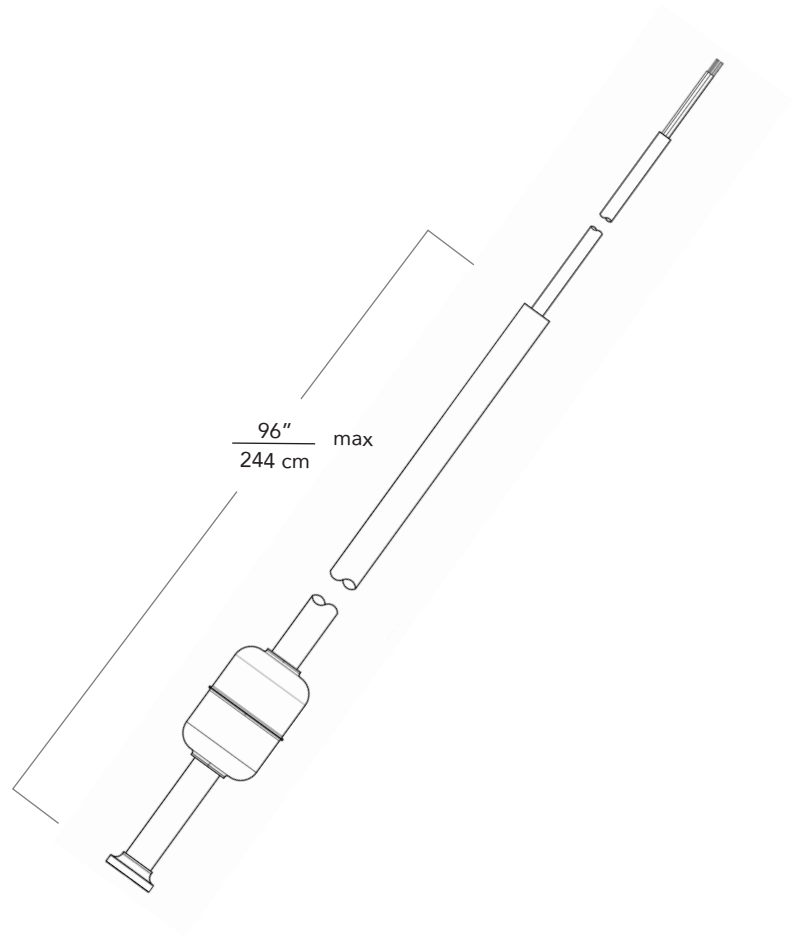
- Supply Voltage: 5–30 VDC

## 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 (0.65 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.