

Paddle Wheel Level Switch Series: PWS

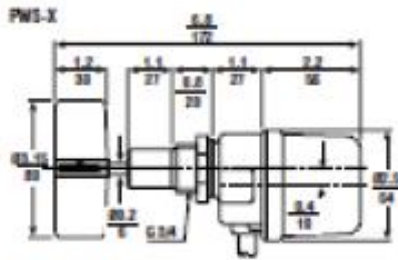


The Series PWS rotating paddle wheel level sensor is ideal for grain processing machines, plastic molding or injection machines. The PWS is compact and designed to provide reliable service. The paddle wheel sensor offers four different torque settings for just the right sensitivity.

Features

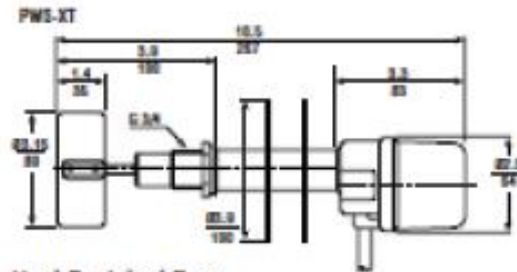
- Miniature size
- Simple torque adjustment
- Reliable design
- Low cost

PWS Specifications



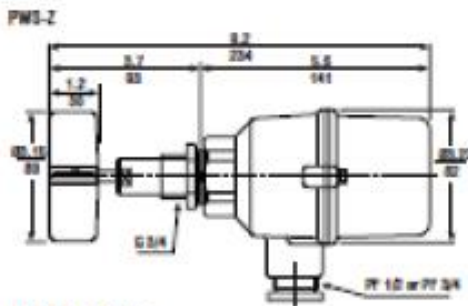
Standard Type

- Polycarbonate paddle
- Weight: approx. 1.1 lbs. (0.5 kg)
- IP40 (indoor use)



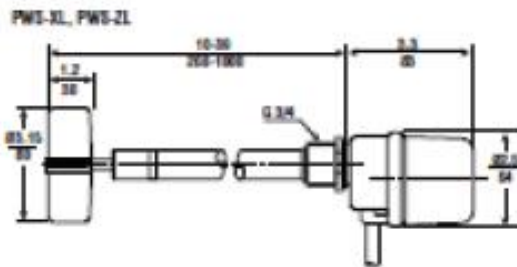
Heat Resistant Type

- Max 248°F (120°C)
- Weight: approx. 3.3 lbs. (1.5 kg)



Outdoor Type

- Polycarbonate paddle
- Weight: approx. 1.5 lbs. (0.7 kg)
- IP65 (outdoor use)



Long Shaft Type

- Length: Max 39 in. (1000 mm)
 - Weight: approx. 3.5 lbs. (1.6 kg)
- Note:** This drawing shows model PWS-XL only.

Performance

- 1 SPDT switch
- 4 torque settings

Physical

- Housing: ADC12 and Polycarbonate or ABS
- Mounting Section: Galvanized Brass
- Rotating Spindle: 304 SS
- Paddle: Polycarbonate or 304 SS

Electrical

- Output Contact Rating: 240 V 3 A AC; 30 V 3 A DC (resistive)

Environmental

- Ratings: IP65, IP40
- Operating Temp: 14° - 128°F (-30° - 53°C) or 14° - 248°F (-10° - 120°C)

Model Configuration Options

Model Number: PWS - - - - -
 A B C D E

A. Configuration

- X Indoor use (IP40) with cable (300 mm)
- Z Outdoor use (IP65) with terminal

B. Operation

- Null No options
- L Extended shaft from 260 mm to 1000 mm
- T High temperature up to 120°C (PWS-XT-only)

C. Supply Power

- A1 110 VAC
- A2 220 VAC
- A3 24 VAC
- A4 120 VAC
- A5 240 VAC
- A6 200 VAC

D. Paddle Selection

- | | | | | |
|-----------------------------|------------------|--------|-------------|-----------------------------------|
| <input type="checkbox"/> 4 | Four vane | PC | 80 x 30 mm | More than 0.3 g/cm ³ |
| <input type="checkbox"/> 2 | Two vane | 304 SS | 80 x 35 mm | More than 0.3 g/cm ³ |
| <input type="checkbox"/> 1 | Single vane | 304 SS | 60 x 30 mm | More than 2.0 g/cm ³ |
| <input type="checkbox"/> 1S | Special two vane | 304 SS | 150 x 60 mm | From 0.02 - 0.2 g/cm ³ |

E. Length

- L Shaft length