

PENBERTHY

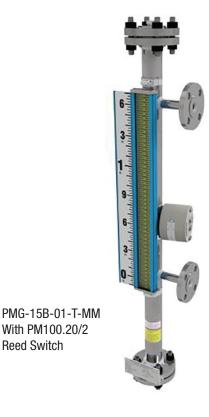
Model PB100.20 PB100.20/2 Point Level Switches



How It Works – Reed Switch

The magnetic float rises or falls with the liquid level, its magnetic field activates the reed switch at a defined point. The sealed contacts close or open instantly, providing a precise, reliable signal for level indication or alarm. With no process contact and no moving parts to wear, the design ensures simple, maintenance-free operation and long service life.

Penberthy PMG PB100.20 **Point level Switch**



Key Features

- Hermetically Sealed Bi-Stable Latching Reed Switch Actuated by the Penberthy PMG® float for reliable, repeatable performance.
- Maximum Load Handles up to 1 amp, 150 VAC/VDC, 25 W.
- Completely Sealed Never requires opening, ensuring maintenance-free operation.
- **Simple Integration** Provides a clean input to user-supplied controllers or DCS systems.
- Flexible Configurations Available with SPDT or DPDT switch action to suit a wide range of control needs.
- Easy Installation Clamps directly to the Penberthy PMG® chamber with no process contact.
- Field Adjustable Easily positioned for precise level set points.
- Built for Reliability PB100.20 and PB100.20/2 models deliver years of trouble-free service in demanding process environments.

With PM100.20/2

Reed Switch

PENBERTHY®

PENBERTHY

Model PB100.20 PB100.20/2 Point Level Switches



Approvals

UL/cUL approved for service in Class I, Division 1 Groups B, C, & D; Class II, Division 1 Groups E, F, & G Hazardous Locations

Ordering Information

Part Number Designation

PB100.20 ## # ## #

CHAMBER SIZE (NPS):	
4 = 1.5"	5 = 2.0"
6 = 2.5"	7 = 3.0"
9 = 4.0"	A = 5.0"

ORIENTATION:

LH = LEFT HAND (STD) RH = RGHT HAND

NUMBER OF SWITCHES:

1 = SINGLE REED SWITCH

2 = DOUBLE REED SWITCH

3 = SINGLE REED SWITCH (GE)

CERTIFICATION:

UC = CLASS I, DIV 1 APPROVED (US/CAN)

Model PB100.20 or PB100.20/2 Specifications

Maximum Voltage: 120 VAC/VDC

Maximum Current: 1.0 Amp
Maximum Power: 30 Watts
Deadband: .375"

Max. Temp. (Process): Temperature above 300°F

requires special mounting

& insulation options.

Minimum Temperature: -40°F (-40°C)

Enclosure: NEC Class I, Division 1,

Groups B, C, & D

NEMA 4X

Contacts: PB100.20 OR PB100.20/2

Conduit Connection: 34" NPT