

Features

- Configurable dual-channel digital switch with status lights
- OLED screen with wide viewing angle range and high resolution
- Numerical & Graphical display of pressure with min/max values
- 304 stainless steel shell IP65 structural design
- Multiple output modes optional: 4...20mA, PNP/NPN switchable
- Rotating display section for custom orientation

RS PRO Digital Pressure Switch

RS Stock No.: 0848943

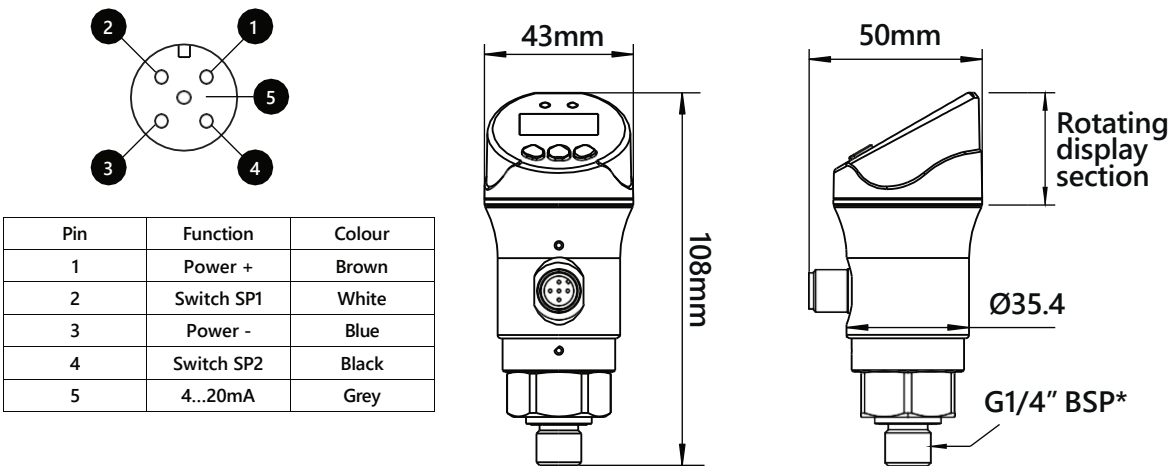


RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Technical specifications

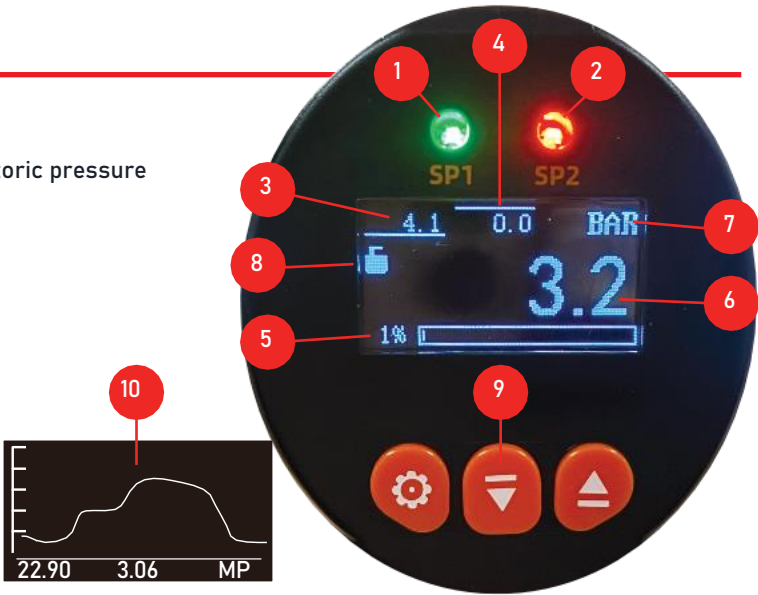
Measuring Ranges (bar)*	0...10, 0...25, 0...50, 0...100, 0...250, 0...400, 0...600
Accuracy Level	±0.5%FS
Overload Pressure	<10MPa 200%, >10MPa 150%
Destroying Pressure	<10MPa 300%, >10MPa 200%
Screen Display Mode	OLED
Screen resolution	128x64
Displayed pressure units	76 x 28 mm
Supply Voltage	Bar, mbar, MPA, kPA, PSI or kgf
Output Signal	Output 1: NPN or PNP (switchable) Output 2: NPN or PNP (switchable) Pressure: 4...20mA
Load Current	<100mA
Operating Temperature	-20...+65°C
Electrical Connections	M12 plug
Electrical Protection	Electrical Protection Anti-reverse connection protection, anti-electromagnetic interference
Mechanical Connection	G1/4" BSP
Interface Material	304 stainless steel
Diaphragm Material	316L stainless steel
Protection Level	IP65
Accessories	M12 standard 5-core 12-pin cable (1 meter)

Dimintions



Interface & Display

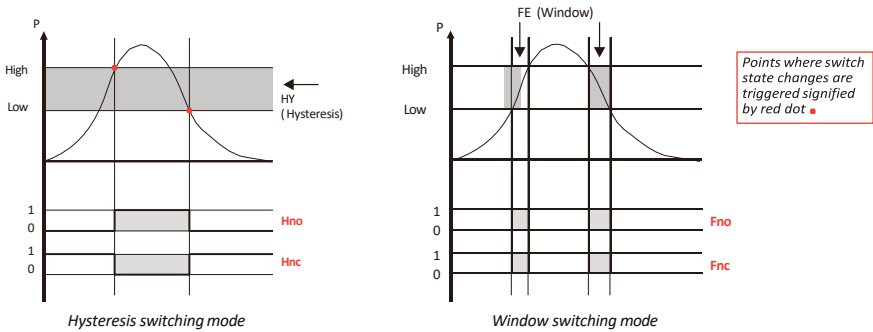
- 1 Switch 1 status (green signifies un-switched state)
- 2 Switch Status (red signifies switched state) Maximum historic pressure
- 3 Minimum historic pressure
- 4 Current pressure as a % of full-scale, with bar indicator
- 5 Current pressure in selected units
- 6 Current units (Bar, mbar, MPA, kPA, PSI or kgf)
- 7
- 8 Interface lock status (currently unlocked)
- 9 Settings, value up and value down buttons
- 10 Built-in graph view shows pressure over time



Switching Modes

Four switching modes are available for, selectable separately for each of the two switches.

- **Hno**: Hysteresis, normally open. Switch closes when pressure increases to High value, then opens when it drops to Low value.
- **Hnc**: Hysteresis, normally closed. Switch opens when pressure increases to High value, then closes when it drops to Low value.
- **Fno**: Window, normally open. Switch is closed between Low and High values, and open otherwise.
- **Fnc**: Window, normally closed. Switch is open between Low and High values, and closed otherwise.



Ordering Codes

0848939	RS PRO Digital Pressure Switch. 0...10 bar range. OLED display, 2 x NPN/PNP switching outputs and 4-20mA signal output. G1/4" BSP male, M12 connector.
0848940	RS PRO Digital Pressure Switch. 0...50 bar range. OLED display, 2 x NPN/PNP switching outputs and 4-20mA signal output. G1/4" BSP male, M12 connector.
0848941	RS PRO Digital Pressure Switch. 0...250 bar range. OLED display, 2 x NPN/PNP switching outputs and 4-20mA signal output. G1/4" BSP male, M12 connector.
0848942	RS PRO Digital Pressure Switch. 0...400 bar range. OLED display, 2 x NPN/PNP switching outputs and 4-20mA signal output. G1/4" BSP male, M12 connector.