



## KT-S853 COMPACT DIGITAL PRESSURE SWITCH

The KT-S853 is an electronic pressure switch with an OLED screen designed for hydraulic environments. The product features a 304 stainless steel case and a plastic case head design, offering protection up to IP65 rating, making it suitable for use in harsh conditions.

This pressure switch employs a universal threaded connector design, tailored for high-load scenarios in hydraulic environments, complemented by an ED sealing method\*, ensuring excellent long-term stability. The product is equipped with a dual-segment rotating structure, allowing for screen orientation adjustment to guarantee optimal viewing angles for customers across various installation positions.

This pressure switch comes with multiple function buttons, enabling users to set upper and lower limits, hysteresis mode/window mode, among other functions. It includes a standard 5-core M12 aviation plug cable (1 meter), allowing users to directly replace old mechanical pressure switches.



### Technical characteristics

- ☆ 304 stainless steel housing, IP65 structural design
- ☆ Dual-segment rotating structure for quick adjustment of screen orientation
- ☆ OLED screen design with wide viewing angle and high resolution
- ☆ Multiple output options available: 4~20mA, PNP/NPN switchable
- ☆ Dual-path alarm lights, multifunctional button design

### Specification:

- ☆ Measuring Range: 0~0.1...1.0...60 MPa
- ☆ Accuracy Class:  $\pm 0.5\%$  FS
- ☆ Overload Pressure:  $\leq 10$  MPa: 200%;  $> 10$  MPa: 150%
- ☆ Burst Pressure:  $\leq 10$  MPa: 300%;  $> 10$  MPa: 200%
- ☆ Display Type: OLED screen
- ☆ Screen Resolution: 128\*64
- ☆ Supply Voltage: 12~28V
- ☆ Output Signal:
  - Output 1: NPN or PNP (switchable)
  - Output 2: NPN or PNP (switchable)
  - Other Output: 4~20mA
- ☆ Response Time: 10ms
- ☆ Load Current:  $\leq 100$ mA



- ☆Operating Temperature: -20~65°C
- ☆Electrical Connection: M12 plug
- ☆Electrical Fast Transient/Burst Immunity: Compliant with ±2kV voltage and 2.5kHz frequency test
- ☆Power Frequency Magnetic Field Test: Compliant with 30 A/m magnetic field strength test
- ☆Electrostatic Discharge Immunity: Compliant with ±8kV voltage test
- ☆RF Conducted Disturbance: Compliant with 140dBuV (10V) test
- ☆Thread Interface: G1/4, BG1/4, PT1/4, NPT1/4, M20x1.5, or custom
- ☆Interface Material: 304 stainless steel
- ☆Diaphragm Material: 316L stainless steel
- ☆Protection Rating: IP65
- ☆Accessories: Standard 5-core M12 aviation plug cable (1 meter)

## Product dimensions

