

**Main Specifications**

- ▼ **Pressure connection**  
Material:  
SS304 / SS316L / Brass  
Thread spec.: G1/4"  
Other thread specifications are available made-to-order
- ▼ **Adjustable set point range**  
0.3 to 40MPa  
For detail please refer to adjustable set point range table
- ▼ **Dead band**  
Fixed dead band  
For detail please refer to adjustable set point range table
- ▼ **Applicable fluid**  
Liquid and gas that compatible with pressure connection
- ▼ **Ambient temperature**  
-5°C~40°C
- ▼ **Media temperature**  
0°C~90°C
- ▼ **Media viscosity**  
< 1 x 10<sup>-3</sup> m<sup>2</sup>/s
- ▼ **Vibration resistance**  
Max. 20m/s<sup>2</sup>
- ▼ **Protection level**  
IP54

**Other Specifications**

- ▼ **Installation**  
Bottom mount  
(15° tilt is acceptable)
- ▼ **Case material**  
Galvanized copper
- ▼ **Measuring elements**  
Piston  
Material: Copper
- ▼ **Switch type**  
DPDT micro switch
- ▼ **Switching frequency**  
30 times/min
- ▼ **Max. operating pressure**  
16 / 30 / 80 MPa  
(Based on adjustable set point range)
- ▼ **Repeatability error**  
≤1.5%
- ▼ **Synchronization error**  
≤0.5%  
(synchronous error of switching value \*2)
- ▼ **Contact rating**  
AC220V, 6A  
(resistive load 600VA)
- ▼ **Weight**  
1kg
- ▼ **Other requests (Option)**  
Third party notarized documents  
Inspection report  
Tag

**Double Set Value Pressure Switch Model: AT504-7DS Introduction**

AT504-7DS pressure switch adopts piston sensor, which can be used for media such as neutral hydraulic oil. The setting value of the pressure switch can be adjusted, with adjustment range of 0.3 to 40MPa. Mainly used in nuclear power, chemical, shipping, metallurgy and other industries.



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

**Features**

- OEM service
- Adjustable set point range 0.3 to 40MPa
- Suitable for media such as neutral hydraulic oil

**Adjustable Set Point Range (Fixed Dead Band) Table**

Model	Adjustable set point range (MPa)	Dead band		Maximum operating pressure* (MPa)	Switching frequency per min	Sensor material		Order No.
		Lower limit (MPa)	Upper limit (MPa)			Case	Piston	
AT504-7DS	0.3...4	0.3	0.6	16	30	Galvanized copper	Copper	0817208
	0.3...6.3	0.45	0.9					0817308
	0.5...10	0.6	1.5	30				0817408
	0.5...16	0.9	1.8					0817508
	1...25	1.2	3	80				0817608
1...40	1.5	3.5	0817708					

Note:

\*1: Operating pressure peak value cannot over maximum operating pressure value even in short-time measurement.

\*2: Require synchronization of upper and lower limits, to be indicated in the order.

## How to order

AT504-7DS		Double Set Value Pressure Switch		
	Code	Pressure connection material		
	304	SS304		
	316	SS316L		
	BR	Brass		
	Code	Thread spec.		
	2G	G1/4"		
	O	Others		
	Code	Adjustable set point range		
	0817208	Please refer to adjustable set point range (fixed dead band) table and select corresponding order code		
<b>AT504-7DS</b>	<b>304</b>	<b>2G</b>	<b>0817208</b>	<b>Order example: AT504-7DS-304-2G-0817208</b>