

Pressure Monitoring System

The pressure monitoring system is for watching hydraulic system pressure and is composed of highly reliable pressure sensor (SJT*-02-10) and easy-to-use digital pressure monitor (DP*-*-10). There is no specific model number code for the pressure monitoring system itself, therefore, when ordering, specify the digital pressure monitor and pressure sensor with respective model number code.

Remote pressure indication

Even if the monitor is located away from the unit, remote pressure indication can be obtained by combination with special sensors.

Remote-setting pressure sensors

The pressure sensor can be used as a pressure switch with two contacts: top and bottom. Pressure can be set and checked without using any other pressure gauge, moreover, such pressure setting and pressure check can be made when no pressure is applied in the hydraulic system.



Digital Pressure Monitors

The digital pressure monitor indicates the system pressure and also despatches signals when the system pressure reaches to the preset pressure. The monitor can be separated from the sensor and installed away from the sensor. The monitor and the sensor so separately installed can be connected by wire, therefore, a long hydraulic piping is not required. The digital pressure monitor provides high accuracy when it is used with a special pressure sensor (SJT*-02-10).



Specifications

Model Numbers	Input Voltage	Output System	Pressure setting
DP20*-*-10	0 – 4.5V / 0 – 19.6 MPa (0 – 4.5V / 0 – 2842 PSI)	Open-collection output × 2, 40 V - 100 mA (max.)	Total 4 points: high (HI) and low (LO) limits for 2 channels (each set independently)
DP35*-*-10	0 – 4.5V / 0 – 34.3 MPa (0 – 4.5V / 0 – 4974 PSI)		

Pressure Sensor

The pressure sensor uses semiconductors and has no moving parts for high reliability and durability. It provides high accuracy when combined with the special monitor (DP*-*-10).

Specifications

Model Numbers	Rated Pres. Range	Output Range *	Power Supply
SJT20-02-10	0 – 20 MPa (0 – 2900 PSI)	0.5 – 4.5 V	DC 5.0 ± 0.5 V
SJT35-02-10	0 – 35 MPa (0 – 5080 PSI)		

★ Proportional to supply voltage if this voltage is 5.00 V



Graphic Symbol



• Consult Yuken when detailed material such as dimensions figures is required.