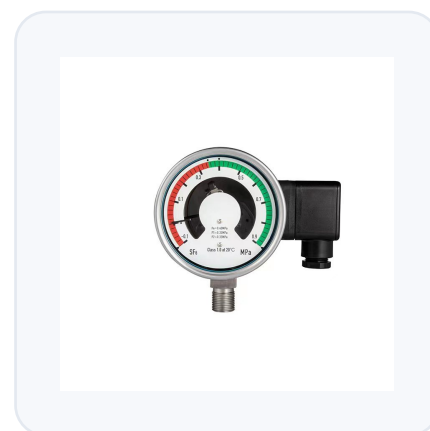


MJ100 SF6 Gas Density Relay

Model MJ100

MJ100 standard SF6 gas density relay, Ø100 mm: on-site temperature-compensated display, up to 3 alarm/lockout contacts, IP65, IEC 61000-4 EMC. MJ100L rated to -60 °C. Full specifications.

- Temperature-compensated dial with green/red zones
- Up to 3 contact pairs — alarm (P1) and lockout (P2)
- IP65 sealed stainless case, -40 ~ +60 °C
- MJ100L variant: nitrogen-filled, rated to -60 °C, 3 kV withstand



Technical specifications

Shell diameter	100 mm
Measurement range	-0.1 ~ 0.9 MPa (customizable)
Accuracy @ 20 °C	Grade 1.0 or 1.5
Accuracy @ -40 ~ +60 °C	Level 2.5
Working temperature	-40 ~ +60 °C; relative humidity ≤ 95 % RH
Contact output	Up to 3 pairs (alarm + lockout), 30 W / 50 VA, 1 A max; 220 VDC / 380 V 50/60 Hz
Contact type	Magnetic-assisted electric contact; 80 % silver, 20 % nickel, 10 µm gold plating
Insulation	> 100 MΩ (DC 500 V); withstand 2 kV 50/60 Hz 1 min
Process connection	M20 × 1.5 (customizable)
Leakage rate	≤ 1×10 ⁻⁸ Pa·m ³ /s (helium leak detection)
Protection level	IP65
Pressure sensing element	Imported Bourdon tube
Weight	approx. 1.0 kg
Optional	Oil-filled; MJ100L ultra-low temperature (-60 °C), nitrogen-filled, 3 kV withstand