ZMJ60R Density Monitor





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Application

- SF₆ Gas Insulated Ring Main Unit
- SF₆ Gas Insulated Switch Gear

Description

ZMJ60R Density Monitors is used to monitor the density of gas in closed containers, and can be widely used in medium voltage switchgear and ring network cabinet. It can display gas density on site, and reliably output SF $_{\rm 6}$ gas density signal for remote monitoring and monitoring. It can be used in the new substation building and renovation and upgrading of existing substation.

Features

- Compact design, customizable installation interface to user'sneed, convenient and reliable.
- Suited for different indoor and outdoor installation requirements.
- Up to three sets of contact switches.
- RS485 remote transmission function, convenient remote monitoring.
- Temperature compensated.

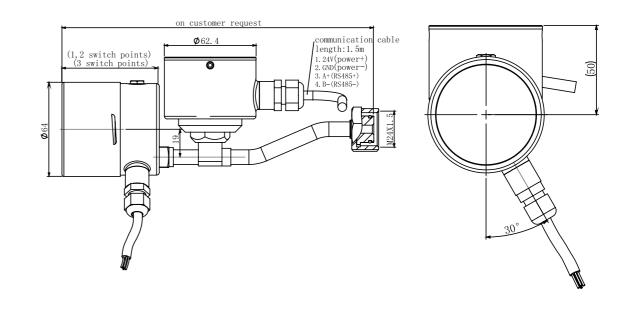
Options

- Measuring range
- Wider temperature range: -40°C ~ +60°C
- Outlet mode and cable length
- Installation method
- High altitude environment application
- Measuring Medium: SF₆, Air, N₂, SF₆+N₂ and other gases
- Optional measurement accuracy: $\pm 1.0\%$ FS(+20 \pm 1°C) , $\pm 2.5\%$ FS (-20°C \sim +60°C) (gas phase)

Technical Parameters for Remote Module				
Operating voltage	10~30VDC	EMC Class IEC61000-4-3: Level 3 IEC61000-4-4: Level 4 IEC61000-4-5: Level 3 IEC61000-4-6: Level 3	IEC61000-4-2: Level 4 IEC61000-4-3: Level 3	
Power consumption	<0.5W			
Communication mode	RS485			
Communication protocol	Modbus RTU		IEC61000-4-6: Level 3	
Baud rate	9600bps		IEC61000-4-8: Level 5	

Technical Parameters		
Case diameter	64mm	
Scale range	0 ~ 2bar abs.(customizable)	
Accuracy of indication	$\pm 1.5\%$ FS (+20 $\pm 1^{\circ}$ C) ; $\pm 2.5\%$ FS (-20°C \sim +60°C) (gas)	
Degree of protection	IP65	
Ambient condition	-20°C ~ +60°C realative humidity ≤ 95%	
Leakage rate	$\leq 1 \times 10^{-9} \text{Pa} \cdot \text{m}^3 / \text{s} \text{(Helium leakage inspection)}$	
Process connection	M20 x 1.5 (customizable)	
Installation mode	Radial or axial	
Electrical connection	Pluggable connector, wire diameter $1 \sim 2.5 \text{ mm}^2$ (1.5mm ² recommended)	
Insulation property(contact part)	Insulation resistance: >100M Ω (DC500V) withstand voltage: 2kV, 50/60Hz, 1min	
Contact type	Magnetic snap-action contact (Up to 3 set of contacts.s ,NO & NC)	
Impact rating	30 g	
Contact electrical parameters	Rated Power: 30VA Max switching voltage: 380V Max switching current: 1A	
Weight	≈ 0.9kg	
Pressure element	Bourdon tube	

Dimensions



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