

Gas measuring chamber Model GMC

WIKA data sheet AC 61.24

Applications

- Detection and monitoring of insulating gases in high-voltage and medium-voltage switchgear
- Interface between the gas-filled plant room and the connected measuring and monitoring equipment
- Gas measuring chamber for use with SF₆ gas and alternative insulating gases
- Precise measurement of gas-related parameters to ensure reliable plant operation

Special features

- Valves can be isolated or coupled under pressure and vacuum
- Vacuum-resistant and pressure-tight (-1 ... +64 bar [-14.50 ... +928.24 psi]), except gas quick couplings
- Tested helium tightness of 100 %; operating temperature -40 ... +80 °C [-40 ... +176 °F]
- Leakage rate: GCV, GCC, GCA, gas measuring chambers



Gas measuring chamber, model GMC

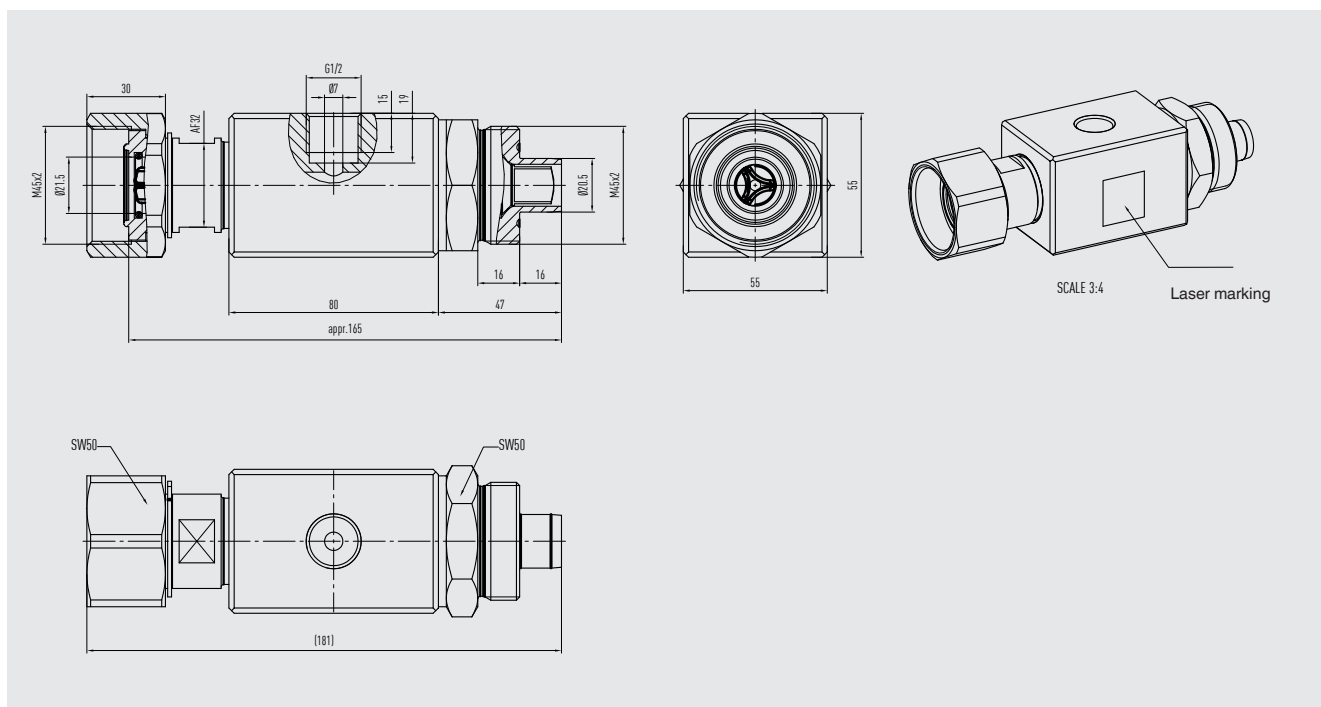
Description

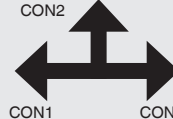
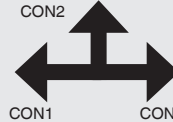
The gas measuring chamber enables the reliable transmission of the gas condition from gas-insulated equipment to connected measuring instruments. Thanks to its specific design and optimised volume, it ensures accurate measurement of pressure and density changes of the insulating gas.

When used in conjunction with gas density monitors and pressure measuring instruments, the gas measuring chamber supports the continuous condition monitoring of high-voltage switchgear and enables the early detection of loss of gas or critical operating states.

The design is intended to ensure long-term leak tightness and reliable operation throughout the switchgear's entire service life.

Dimensions in mm



Version	Item number	Material	Process connection	Material (Process connection)	Transmitter connection (CON2)	Orientation
180° CON1 and CON3	GMC-XX	Aluminium	■ DN8, male ■ DN8, female ■ DN20, male ■ DN20, female	■ Brass ■ Aluminium ■ Stainless steel	■ G ¼ ■ G1½ ■ G 1	
	GMC-08	Aluminium	■ DN8, male ■ DN20, female	-	G ¼	On request
90° CON1 and CON2	GMC-XX	Aluminium	■ DN8, male ■ DN8, female ■ DN20, male ■ DN20, female	■ Brass ■ Aluminium ■ Stainless steel	■ G ¼ ■ G1½ ■ G 1	
	GMC-20	Aluminium	■ DN20, male ■ DN20, female	-	G ½	On request

Neben den in diesem Datenblatt dargestellten Standardausführungen sind für Gaskammern weitere Varianten und Konfigurationen verfügbar. Detaillierte Informationen zu den verfügbaren Ausführungen und Bestellmöglichkeiten sind dem entsprechenden Katalog für Verbindungsteile zu entnehmen.

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