

SF6 Gas density controller



Features

- Robust design with high operational reliability
- Reliable switching
- Welded and crimped design ensures absolute tightness
- Suitable for outdoor installation
- Bimetal compensated
- Choice of integrated level switch
- Customer specific versions

Version NG 63 with special connection (option)



Application

SF6 gas density controllers were specifically designed for the control of voltage switchgear systems, converters and transformers. They provide highest levels of operational safety and reliability. The integrated bimetal compensation guarantees a maximum of operational safety in SF6 gas insulated switchgear systems.

Type

D 7

Nominal size

100

Accuracy

± 1 % of full scale value at 20 °C
± 2,5 % of full scale value
at -20/60 °C (compensated range)

Measuring ranges

-1/+5 bar
-1/+9 bar
(others on request)

Usable range

Full scale value

Contact versions

Magnetic spring contact (MK)
Electronic contact (EK)
Inductive contact (IK)

Temperature operating range

Ambient: $T_{min} = -40\text{ °C}$
 $T_{max} = +65\text{ °C}$
Medium: $T_{max} = +100\text{ °C}$
Compensated: -20/+60 °C

Protection

IP 65 (EN 60529)
version with housing vent: IP 54

Standard version

Connection

Stainless steel 316 Ti or 316 L
bottom or bottom back excentric
G½B – SW22 (EN 837-1/7.3)

Electrical connection

Junction box

Measuring element

Bourdon tube, stainless steel 316 Ti
or 316 L

Mechanism

Stainless steel

Dial

Aluminium, white

Housing

Stainless steel 304

Bezel

Stainless steel 304

Front glass

Laminated safety glass

Filling liquid

Silicone oil

Options

- Without filling liquid (Type D 9)
- Without electrical contact
- Special scales
- Other connections
- Nominal size 63
- Housing filled with nitrogen

Prices on request.

SF₆ gas density controller Type D 7 – NG 100

Housing types and dimensions (in mm)



Bottom connection, GB½B – SW 22

