



DEVICES FOR DETERMINATION OF THE SF₆ GAS QUALITY

For precise measurement

3-032-R003

Measuring device for different decomposition products and gas residues

During the operation of gas insulated switchgear decomposition products might occur after a breakdown which has a negative impact on the gas quality in the circuit breaker as well as on the insulation properties.

For this reason the measurement of decomposition products is very important. The measurement can be carried out easily by means of test tubes and plastic bags. The following concentrations can be measured:

- » Sulphur dioxide SO₂: 1 to 500 ppm_v
- » Hydrogen fluoride HF: 1.5 to 15 ppm_v
- » Oil mist: 1 to 10 mg / m³ (0.16 to 1.6 ppm_{mass})



- The device is supplied in a handy plastic case. Gastight couplings DN8 and DN20 are also included in the scope of supply.

DEVICES FOR DETERMINATION OF THE SF₆ GAS QUALITY



3-032-R003

Measuring device for different decomposition products and gas residues

Technical data:

| |
|---|
| Dimensions: W 198 mm, H 115 mm, D 165 mm |
| Case dimensions: W 360 mm, H 290 mm, D 165 mm |
| Weight without case: 2.4 kg |
| Measuring principle: Chemical reaction |

Standard equipment:

| |
|---|
| Measuring device for decomposition products with flowmeter and needle valve |
| Safety valve |
| Mounting for test tubes |
| DILLO connecting couplings in DN8 and DN20 |
| Tube opener |
| Connecting piece with connecting hose |
| 2 spare O-rings |
| 2 m long flexible connection |
| Black plastic transport case |
| Operating manual |

Optional accessories at an extra charge:

| | |
|---|--------------|
| 10 pieces test tubes for sulphur dioxide SO ₂ type 1/a; measuring range 1 to 25 ppm _v Plastic bags with a volume of 1 litre are needed (3-032-21) | 05-1026-R001 |
| 10 pieces test tubes for sulphur dioxide SO ₂ type 20/a; measuring range 20 to 220 ppm _v Plastic bags with a volume of 1 litre are needed (3-032-21) | 05-1026-R002 |
| 10 pieces test tubes for sulphur dioxide SO ₂ type 50/b; measuring range 50 to 500 ppm _v Plastic bags with a volume of 1 litre are needed (3-032-21) | 05-1026-R003 |
| 10 pieces test tubes for hydrogen fluoride HF type 1.5/b; measuring range 1.5 to 15 ppm _v Plastic bags with a volume of 2 litres are needed (3-032-20) | 05-1026-R010 |
| 10 pieces test tubes for detection of oil mist type 1/a; measuring range 1 to 10 mg/m ³ (0.16 to 1.6 ppm _{mass}) Plastic bags with a volume of 10 litres are needed (3-032-22) | 05-1026-R015 |
| 10 pieces plastic bags with a volume of 1 litre | 05-1025-R001 |
| 10 pieces plastic bags with a volume of 2 litres | 05-1025-R002 |
| 3 pieces plastic bags with a volume of 10 litres | 05-1025-R004 |
| Adapter for emptying the discharge gas collecting bag | 3-969-R005 |
| Additional operating manual | 6-0004-R213 |

Packing:

| | |
|------------------------|--------------|
| Packing for 3-032-R003 | 05-1990-R004 |
|------------------------|--------------|

