

3-032-R003

Measuring device for various decomposition products and gas residues

For precise measurement

During the operation of gas insulated switchgear, decomposition products might occur after a breakdown having 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 SO_2 : 1 to 500 ppm_V
- hydrogen fluoride HF: 1.5 to 15 ppm_V
- oil mist: 1 to 10 mg / m^3 (0.16 to 1.6 ppm_{mass})



Standard version

- measuring device for decomposition products with flowmeter and needle valve
- safety valve
- mounting for test tubes
- DILOR connecting couplings in DN8 and DN20
- tube opener
- connecting piece with connecting hose
- 2 spare O-rings
- 2 m long flexible connection
- transport case
- operating manual

Special features

- Gas type: SF_6

Advantages & functions

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

Technical data

Measuring principle	chemical reaction
Dimensions (W x H x D)	360 x 290 x 165 mm with transport case
Weight	2.4 kg without transport case

Optional accessories

05-1026-R001	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 (05-1025-R001)
05-1026-R002	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 (05-1025-R001)
05-1026-R003	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 (05-1025-R001)
05-1026-R010	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 (05-1025-R002)
05-1026-R015	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 (05-1025-R004)
05-1025-R001	10 pieces plastic bags with a volume of 1 litre
05-1025-R002	10 pieces plastic bags with a volume of 2 litres
05-1025-R004	3 pieces plastic bags with a volume of 10 litres
3-969-R005	Adapter for emptying the discharge gas collecting bag