



TECHNICAL SPECIFICATIONS FOR SF₆ VOLUME PERCENTAGE MEASURING DEVICE

GENERAL DESCRIPTION

This device will be used for measuring of volume percentage pure SF₆ of gas insulated mixtures SF₆, which included to voltage (20kV, 150kV, 400kV) circuit breakers.

This device serves for measuring the gas purity necessary to maintain the dielectric property for arc quenching in circuit breakers.

TECHNICAL SPECIFICATIONS

1. The device will be portable, compact type and will be mounted in a special case for storage and transport.
2. Measuring media: SF₆ / N₂ or SF₆ / air – gas mixtures
3. Measuring range: 0 - 100 volume -% SF₆
4. Measuring accuracy: ± 0.5 volume-% for SF₆ / N₂-gas mixture or SF₆ / air-gas mixture.
5. Operating temperature: temperature compensation of -20°C to +50°C
6. Ambient moisture: up to 90% relative moisture, non-condensing during operation
7. Response time: Approx. 1 min with a rinsed connecting hose.
8. Flow rate: max 1.2 g / min. at 100% SF₆ gas and an operating pressure of p_a (absolute) = 10 bar
9. Electrical connection: 220V / 50 Hz

STANDARD EQUIPMENT

- Volume percentage measuring device with digital display
- Measuring cell with electronic part
- 2m long connecting hose with coupling DN8 and DN20
- Housing with front and back covering with big handle for transportation and placing of the device
- Mains plug with 2m long connecting cable
- Transport case
- 1 operating manual (multilingual) on CD-ROM