

# Buchholz gas tester BGT 3

## System solutions for fault diagnosis

### Application

The Buchholz gas tester serves to measure the fault gas content of the Buchholz relay.

Measurement can be performed directly at the sampling site, e.g. in the transformer substation or in a testing laboratory.

The Buchholz gas tester allows quick fault analysis on site, hence facilitating the decision-making process with regard to the elimination of faults.

Combine the Buchholz gas tester with the following equipment:

> Buchholz gas sampler BGS.



### Features

- Quick and easy analysis of the Buchholz gas on site to identify air and fault gas collection
- Can be combined with the Buchholz gas sampler or Buchholz relay extensions to form a functional unit
- Deductible signal limit value
- Maintenance-free sensor
- Easy calibration with air

#### Technical data

Detector:	Thermal-conductivity measuring cell
Gas to be measured:	Buchholz gas
Gas volume per measurement:	<15 ml
Gas used for calibration:	Air
Measuring range / accuracy:	0 ... 1 vol.% / < 10 % rel. error 1 ... 10 vol.% / < 20 % rel. error
Power supply:	
direct (Chinch socket 6mm):	12 V DC (on-board system)
with power unit:	230 V – 115 V AC
Power input:	20 VA
Weight:	1,5 kg
Dimensions (L x W x H):	155 mm x 195 mm x 85 mm
Protective system:	IP 40
Material of casing:	Aluminium
Ambient temperature (measurement):	0 ... 40°C
Relative humidity:	< 80%
Ambient temperature (storage):	-10 ... 60°C
Relative humidity:	< 80%

#### Scope of supply

Buchholz gas tester type BGT 3	
Plug power unit with connecting lead 230 V – 115 V AC/12 V DC	
On-board system connecting lead	12 V DC
Buchholz gas sampler type BGS	
Sealing plug	
Oil trap with opening plug	
Septum plug	
Replacement seals	3 pcs.
Replacement septa	5 pcs.
Transport case	