

PDT3

Analyzer Toolkit for Pressure Density and Temperature

Analyzer Toolkit for Pressure Density and Temperature

When doing maintenance work on your High voltage CB's this analyzer can for example help you with:

- SF6-density measurement
- Pressure measurement for hydraulics and SF6 Gas
- Vacuum measurement
- Temperature
- Pressure point of condensation measurement (dew point)

Handles most breaker types

The PDT3 Toolkit includes different fittings to easily connect it to most types of Siemens, ABB, Areva (Alstom) breakers.

The concept is to have everything you need in one box when doing maintenance work on your CB's. For the energy suppliers that have many different types of breakers in their substations, this is the ideal solution. The PDT3 is however used by the breaker manufacturers as well, due to its flexibility and the very cost effective procedures it generates.



Typical jobs easily done with PDT3 Toolkit:

- Measuring of temperature on the nitrogen hydraulics storage to determine leakage rate.
- Measuring of nitrogen pretension pressure for the drive motor
- Measuring off hydraulic oil consumption when operating the breaker
- Various checks of the nitrogen control as safety valves for example
- SF6 density measurement
- Check of the SF6 quality
- Check of SF6 gas density controller.
- Check of the SF6 manometer
- Pressure point of condensation measurement (dewpoint)

PDT3

Analyzer Toolkit for Pressure Density and Temperature

The standard PDT3 kit comes complete with the following articles:

Description

Measuring instrument PDT3
Measuring temperature transducer
Power supply 230V AC / 24V DC 340 mA
Transporting case
User Manual

Part Number

3160-0063.25 / 2
8856-08-02-00
8812-00-00.31
3160-00-18.02

Sensors/Connectors

Temperature sensor -30 °C to + 70 °C
Hydraulic pressure sensor 0 to 400 bar (cell of 400 bar)
Hydraulic pressure sensor 0 to 400 bar (cell of 1000 bar)
SF6-pressure sensor -1 to +2 bar
SF6-pressure sensor 0 to 10 bar
SF6 pressure sensor 0 to 25 bar
SF6-density sensor 0 to 56 kg/m³
USIT SF6-gas connector Siemens prior to 1989
Density controller - test flange Concordia / Alstom
Density controller - test flange BBC / ABB
Density controller - test connector Siemens prior to 1989
Density controller - test connector Siemens from 1989 on
Hydraulic measuring connector ERMETO 6S angle
Hydraulic measuring connector ERMETO 6S straight
Hydraulic measuring connector ERMETO 10S angle
Hydraulic-measuring connector Siemens prior to 1989
Dilo-DN 20 SF6-gas connector
Dilo-DN 8 SF6-gas connector
SF6 - gas connector for pressure reducer
Tubing distributor
Gas tubing coupling
SF6 - gas tubing (for pressure and density measurement 1000 mm)
SF6 - gas tubing (for pressure and density measurement 2000 mm)
Hydraulic-tubing (for pressure and density measurement for 650 mm)
Sensor cable for pressure, density and temperature measurement
Connector cable for density controller RS232/XLR
Com. cable for reading the measuring series from PDT3 to the PC
Pressure dew point - (humidity-) measuring cell

Part Number

3170-01-05.00
8878-00-01.40
8878-00-01.39
8878-00-01.24
8878-00-01.23
8878-00-01.35
8878-00-01.04
8878-00-01.27
8878-00-01.29
8878-00-01.30
8878-00-01.31
8878-00-01.32
2107-15-01.00
2702-41-06.56
2107-15-02.00
2102-A0-01.00
8878-00-01.25
8878-00-01.26
8878-00-01.18
8878-00-01.28
8878-00-01.33
8878-00-01.34
8878-00-01.16
S113-AQ-AQ-0065
8824-91-02.50
3160-00-00.44
8824-F8-03.00
3168-02-02.00

