



2905

Pilot Cell for Liquid Insulating Materials



GENERAL

Tettex has developed this precision pilot cell for the accurate determination of the dissipation factor $\tan \delta$ and the conductivity of liquid insulants, such as insulating oil, also. For measurements at constant or varying temperatures, the pilot cell can be oven-controlled or oil-immersed. All metal parts are made of stainless steel. In order to avoid stray capacitances, the pilot cell is equipped with a shield.

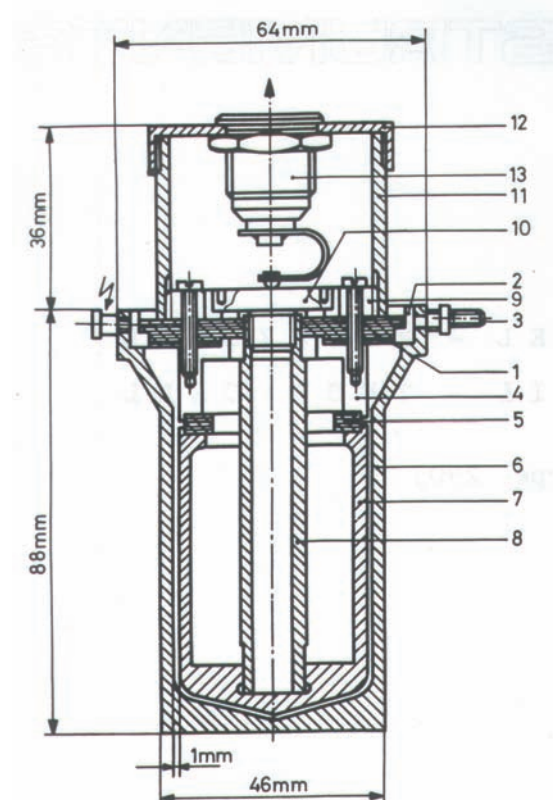
TECHNICAL DATA

Max. measuring voltage:	1'000 V, 50 Hz
Test-voltage:	1'500 V
No-load capacitance:	~ 70 pF
$\tan \delta$ (air):	1×10^{-4} (at 200 V, 50 Hz)
Max. working temperature:	120 °C
Liquid quantity:	~ 15 ml
Weight:	~ 1 kg (2.2. lb)

ACCESSORIES

Thermostatic oven for several pilot cells on request
Check switch on request
1 cable no. 101 or special cable
1 pin wrench

- 1,5 Insulation (epoxy)
- 2, 8...12 Connections, stainless steel
- 3 Connection for high voltage
- 4 Guard electrode, stainless steel
- 6 High-voltage electrode, stainless steel
- 7 Low voltage electrode, stainless steel
- 13 Socket for TETTEX cable no. 101



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