



6835

Test Cells for Liquid Insulants

Datasheet



Sold & Serviced in USA by:



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General Description

The type 6835 test cell allows tests on the dielectric properties for liquid insulants, e.g. determines dissipation factor $\tan \delta$ or power factor (PF). It is particularly suitable for on-site maintenance measurements on the insulating oil of electrical apparatus, e.g. transformers, oil circuit-breakers also.

Features	Advantages
<ul style="list-style-type: none">▪ Suitable for testing insulating samples with the Tettex type 2818 / 5283 and 2816 / 5284 and 2816 / 5284 U and MIDAS 2880 insulation test system	<ul style="list-style-type: none"><input checked="" type="checkbox"/> Seamless operation with other devices
<ul style="list-style-type: none">▪ Simple and sturdy design	<ul style="list-style-type: none"><input checked="" type="checkbox"/> Easy maintenance and safe for transport
<ul style="list-style-type: none">▪ Plastic transport case	<ul style="list-style-type: none"><input checked="" type="checkbox"/> Provides insulating support for the cell during measurement
<ul style="list-style-type: none">▪ Generous cell dimensions	<ul style="list-style-type: none"><input checked="" type="checkbox"/> Ensure accessibility of electrode surfaces for cleaning

Applications

Suitable for testing insulating samples with:

- MIDAS 2880
- Tettex type 2818 / 5283
- Tettex type 2816 / 5284
- Tettex type 2816 / 5284 U

Scope of Supply

- 6835 Test Cell
- Operating Manual

Technical Data

Measurement	
Empty capacitance	approx. 109 pF
Radial electrode spacing	6.7 mm
Quantity of liquid	approx. 1050 cm ³
Electrodes	Polished, nickel-plated
Max. test voltage rms (only at full cell)	10 kV, 50/60 Hz

Mechanical	
Dimensions (L x W x H)	Test cell : ϕ 178 x H 190 mm (ϕ 7 x H 7.5 in) Transport case: 210 x 230 x 235 mm (8.3 x 9.1 x 9.3 in)
Weight (test cell with transport case)	3.9 kg (8.6 lb)

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