

VETTINER - SPECIFICATIONS

HV DIELECTRIC OIL TEST CELL FOR TAN δ, C, ε_r & ρ TESTS

SCL RANGE - SCL IEC 247 F1P Type

DESIGNATION	DIELECTRIC OIL TEST CELL 2 kV - 45 ml		
<p><u>Vettiner Reference</u></p> <p style="text-align: center; background-color: #ffff00;">Dielectric oil Tan δ Test Kit (Test cell + heating & protections)</p> <div style="display: flex; justify-content: space-around;">  </div> <p>Dimensions & Weight</p> <ul style="list-style-type: none"> Height (mm) Base Ø (mm) Head Ø (mm) Side □ (mm) Weight (Kg) <p>Other heating/protections /Customer application</p> <div style="display: flex; justify-content: space-around;">     </div>	<p><u>SCL IEC 247 F1 P</u></p> <p>Product</p>  <p>190 mm 50 mm 90 mm N.A. 2.5 kg</p>	<p><u>SCL IEC 247 F1 P PACK</u></p> <p>Container</p>  <p>380 mm N.A. N.A. 300 x 300 mm 4.0 kg</p>	<p><u>SCL IEC 247 F1 P WO!</u></p> <p>Wooden packing</p>  <p>400 mm N.A. N.A. 300 x 300 mm # 5.0 kg ± 20 %</p>
<p>Main Application</p> <ul style="list-style-type: none"> HV AC Tan δ & Capacitance test HV AC Permittivity test HV DC Resistivity test 	<p>✓ ✓ ✓</p>		
<p>Main Characteristics</p> <ul style="list-style-type: none"> Technology Volume of Test Cell Dielectric Solid Insulant (Spacers) Inter Electrode Distance (Between HV & Cx) Nominal Voltage Maxi Tested Voltage Empty Capacitance Empty Tan delta Frequency operating Temperature of Tests Special PT 100 sensor socket for Oil Temperature Test 	<p>Three Terminals Stainsteel Test Cell</p> <p>45 ml</p> <p>Pyrex</p> <p>2 mm</p> <p>2 kV AC & 1 kV DC (Other nominal Voltage under request)</p> <p>2.2 kV AC (Other Maxi Voltages under request)</p> <p>60 pF</p> <p>≤ 1.10⁻⁵</p> <p>1 Hz up to 1 kHz</p> <p>120 °C (Other maxi temperature possible, under request)</p> <p>PT 100 sensor</p>		
<p>Vettiner Benefit</p> <ul style="list-style-type: none"> Compliance to International Standards Voltage coefficient ΔC / [0-Un] Capacitance stability / year Adjustment / Nominal capacitance Accuracy / Capa. Vett.calibration Accuracy / Capa. Ext.calibration (* Better on demand) No or reduced Maintenance Sturdiness & reliability over time Total operator safety & easy use 2 years warranty After sales service 	<p>IEC 60 247, NFC 26-230, CIGRE, ASTM D 924, IS 6262, IS 6103, ...</p> <p>< 10 ppm / kV</p> <p>< ± 0.5 %</p> <p>≤ 5.0 %</p> <p>0,05%</p> <p>0,02%*</p> <p>✓ ✓ ✓</p> <p>2 years included, 3 or 5 or 10 years in option 10 years guaranteed, over 50 years recorded</p>		
<p>Temperature coeff.</p> <ul style="list-style-type: none"> Temperature coeff. ΔC / °C 	<p>< 1.10⁻⁵ / °C</p>		
<p>Environment</p> <ul style="list-style-type: none"> Operating temperature Storage temperature Operating Hydrometry Altitude 	<p>- 25 °C up to + 120 °C</p> <p>- 55 °C up to + 70 °C</p> <p>up to 70% & if H ≥ 70%, Ambient temperature 5°C mini > dew point temp. up to 1000 m, consult us for eventual application at higher elevation</p>		
<p>Accessories & Options</p> <ul style="list-style-type: none"> Set of measuring cables & instruments External heating system according to expected accuracy of regulation (1°C, 0.2°C...) Self heating Test Cell according to expected accuracy of regulation (1°C, 0.2°C...) 	<p><u>Reference</u></p> <p>TCA-SPC/AFP XX</p> <p>Under Request</p> <p>Under Request - Expected accuracy of temp. regulation/stability to be specified</p> <p>Under Request - Expected accuracy of temp. regulation/stability to be specified</p>		
<p>Freight & Packaging</p> <ul style="list-style-type: none"> Important Note 	<p>No specific requirement, except shock protection for freight</p>		
<p>Calibration</p> <ul style="list-style-type: none"> Vettiner certificate included External laboratory calibration 	<p>✓</p> <p>ISO 17 025 under Request</p>		

Some of the above technical data are valid at the above mentioned date but could change without any notice at any time (Ex. dimensions or weight or else)

* Better on demand

