
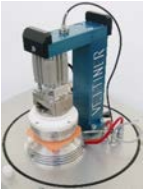

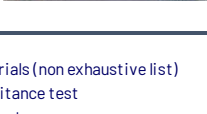






DESIGNATION	SOLID SAMPLE DIELECTRIC TEST CELL		
<p><b>Vettiner Reference</b>  <b>Heating &amp; pressure regulation &amp; Protection according to customer specs.</b></p>   <p><b>Dimensions &amp; Weight</b></p> <ul style="list-style-type: none"> <li>Height (mm)</li> <li>Base Ø (mm)</li> <li>Head Ø (mm)</li> <li>Side o (mm)</li> <li>Weight (Kg)</li> </ul>   	<p><b>SCS 20/60 SH</b> Product</p>  <p>580 mm (With cover) N.A. 300 mm (= cover) 516 x 400 mm 28 kg</p>	<p><b>SCS 20/60 SH PACK</b> Container</p>  <p>810 mm N.A. N.A. 600 x 600 mm 15 kg</p>	<p><b>SCS 20/60 SH WO</b> Wooden packing</p>  <p>800 mm N.A. N.A. 600 x 600 mm # 30.0 kg ± 20 %</p>
<p><b>Main Application</b></p> <ul style="list-style-type: none"> <li>Solid insulating materials (non exhaustive list)</li> <li>HV AC Tan d &amp; Capacitance test</li> <li>HV AC Permittivity test</li> <li>HV DC Resistivity test</li> </ul>	<p>Paper, plastic foils, elastomer, XLPE, glass, ceramics etc...</p> <p style="text-align: center;">ü ü ü</p>		
<p><b>Main Characteristics</b></p> <ul style="list-style-type: none"> <li>Technology</li> <li>Operating surface of measured electrode</li> <li>Diameter of measuring electrode</li> <li>Operating surface covering sample</li> <li>Minimum size of sample (For easy handling keeping guard electrode benefit)</li> <li>Insulating material</li> <li>Inter Electrode Distance (Between HV &amp; Cx)</li> <li>Nominal Voltage</li> <li>Maxi Tested Voltage</li> <li>Empty Capacitance</li> <li>Empty Tan delta</li> <li>Operating Frequency</li> <li>Temperature of Tests (Built-in resistances according to maxi temperature)</li> <li>Special PT 100 sensor socket for Temperature Test cell</li> </ul>	<p style="text-align: center;">Three Terminals Stainsteel Test Cell</p> <p style="text-align: center;">20 cm<sup>2</sup> 50 mm 60 cm<sup>2</sup></p> <p style="text-align: center;">Ø 100 mm or o side 100 mm</p> <p style="text-align: center;">Glass compound / Ceramics 0 - 10 mm</p> <p style="text-align: center;">2 kV (# Same model possible up to 5 kV) 2.2 kV (# Same model possible up to 5.5 kV)</p> <p style="text-align: center;">17.70 pF / 1 mm ≤ 1.10<sup>-5</sup></p> <p style="text-align: center;">1 Hz up to 1 kHz</p> <p style="text-align: center;">Ambient to 150 °C (Possible up to 200°C or 300 °C in option) PT 100 sensor</p>		
<p><b>Vettiner Benefit</b></p> <ul style="list-style-type: none"> <li>Compliance to International Standards &amp; recommendations</li> <li>Voltage coefficient DC / [0-Un]</li> <li>Capacitance stability / year</li> <li>Adjustment / Nominal capacitance</li> <li>Accuracy / Capa. Vett. calibration</li> <li>Accuracy / Capa. Ext. calibration</li> <li>No or reduced Maintenance</li> <li>Sturdiness &amp; reliability over time</li> <li>Total operator safety &amp; easy use</li> <li>2 years warranty</li> <li>After sales service</li> </ul>	<p style="text-align: center;">IEC, NFC, VDE, ASTM, IS, CIGRE, ...</p> <p style="text-align: center;">&lt; 10 ppm / kV &lt; ± 0.5 % £ 5.0 % 0,05% ≤ 0,02%*</p> <p style="text-align: center;">ü ü ü</p> <p style="text-align: center;">2 years included, 3 or 5 or 10 years in option 10 years guaranteed, over 50 years recorded</p>		
<p><b>Temperature coeff.</b></p> <ul style="list-style-type: none"> <li>Temperature coeff. DC / °C</li> </ul>	<p>&lt; 1.10<sup>-5</sup> / °C</p>		
<p><b>Environment</b></p> <ul style="list-style-type: none"> <li>Operating temperature</li> <li>Storage temperature</li> <li>Operating Hydrometry</li> <li>Altitude</li> </ul>	<p style="text-align: center;">- 25 °C up to + 50 °C - 55 °C up to + 70 °C</p> <p style="text-align: center;">up to 70% &amp; if H<sup>3</sup> 70%, Ambient temperature 5°C mini &gt; dew point temp. up to 1000 m, consult us for eventual application at higher elevation</p>		
<p><b>Accessories &amp; Options</b></p> <ul style="list-style-type: none"> <li>Set of measuring cables &amp; instruments (XX meters long)</li> <li>Higher voltage test cell (2.5 kV, 5 kV, 10 kV, 30 kV... 100 kV)</li> <li>Other Maxi Temperature</li> <li>Temperature control unit</li> <li>Pressure control</li> <li>Thickness variation test due to pressure variation</li> <li>Vacuum facility</li> <li>Gas fill in facility</li> <li>Other requirements</li> </ul>	<p><b>Reference</b></p> <p>TCA-SPC XX</p> <p>H XXX</p> <p>TCU</p> <p>PC</p> <p>TV</p> <p>VC</p> <p>GFC</p> <p>OR</p>	<p style="text-align: center;">Under Request</p> <p style="text-align: center;"># Same dimensions for 2 kV up to 5 kV, then other models under Request</p> <p style="text-align: center;">3 main possibilities : 150 °C, 200 °C &amp; 300 °C maxi</p> <p style="text-align: center;">Under Request Under Request Under Request Under Request Under Request Under Request</p>	
<p><b>Freight &amp; Packaging</b></p> <ul style="list-style-type: none"> <li>Important Note</li> </ul>	<p>No specific requirement, except shock protection for freight</p>		
<p><b>Calibration</b></p> <ul style="list-style-type: none"> <li>Vettiner certificate included</li> <li>External laboratory calibration</li> </ul>	<p>ü</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

