



TECHNICAL OFFER N° 211018-1646			DATE 18/10/2021			
DESIGNATION	30 kV - 100 pF (CG RANGE)			30 kV - 100 pF (CP RANGE)		
<u>Vettiner Reference</u> →	<u>CGP 030 / NG</u>	<u>CGP 030 PPACK</u>	<u>CGP 030 WOI</u>	<u>CP 30-100</u>	<u>CP 30-100 PPACK</u>	<u>CP 30-100 WOI</u>
<p>Product</p>  <p>Container (UN 3538 & ISPM 15 comply)</p>  <p>Wooden packing (UN 3538 & ISPM 15 comply)</p>  <p>Product Simple inspection unit</p>  <p>Container (UN 3538 comply)</p>  <p>Wooden packing (ISPM 15 comply)</p> 	<p>452 mm</p> <p>200 mm</p> <p>200 mm</p> <p>N.A.</p> <p>12.8kg</p>	<p>530 mm</p> <p>N.A.</p> <p>N.A.</p> <p>300 x 300 mm</p> <p>4.7 kg</p>	<p>650 mm</p> <p>N.A.</p> <p>N.A.</p> <p>410 x 410 mm</p> <p># 28 kg ± 20 %</p> <p>G.W. # 41 kg ± 5 kg</p>	<p>465 mm ± 10 mm</p> <p>240 mm</p> <p>170 mm</p> <p>N.A.</p> <p>8.25 kg ± 0.25 kg</p>	<p>530 mm</p> <p>N.A.</p> <p>N.A.</p> <p>320 x 320 mm</p> <p>4.7 kg ± 1 kg</p>	<p>650 mm ± 60 mm</p> <p>N.A.</p> <p>N.A.</p> <p>400 x 400 mm</p> <p># 11.0 kg ± 20 %</p> <p>G.W. # 22 kg ± 3 kg</p>
<p>Dimensions & Weight</p> <ul style="list-style-type: none"> Height (mm) Base Ø (mm) Head Ø (mm) Side □ (mm) Weight (Kg) 						
<p>Main Application</p> <ul style="list-style-type: none"> HV Tan δ & Capa. Standard reference HV AC Accurate divider (See options) HV Coupling capacitor std. (60 270 IEC std) 	<p>✓</p> <p>✓</p> <p>✓</p>			<p>✓</p> <p>✓</p> <p>✓</p>		
<p>Main Characteristics</p> <ul style="list-style-type: none"> Technology Insulant Nominal Voltage Maxi tested Voltage Rated Capacitance Tan delta Partial Discharges level Frequency operating Insulation resistance HV Terminal - Fixed Socket C_n Terminal - Fixed Socket 	<p>Bulb Electrode</p> <p>SF6 Gas - 5 bar or alternatively "SF6 Free" with New Gas</p> <p>30 kV</p> <p>36 kV</p> <p>100 pF</p> <p>< 1.10⁻⁵</p> <p>≤ 5 pC</p> <p>10 Hz up to 1 kHz</p> <p>> 500 MΩ</p> <p>Banana Terminal 4 mm or/ & fixing Screw</p> <p>Lemo Unipole type ERA 3S 140 CTL (Other type on request)</p>			<p>Polystyrene Capacitor</p> <p>Polystyrene</p> <p>30 kV</p> <p>33 kV</p> <p>100 pF</p> <p>≤ 2.10⁻⁴</p> <p>Few, cannot be guaranteed, depends of Polystyrene supplier quality</p> <p>1 Hz up to 1 kHz</p> <p>> 500 MΩ</p> <p>Banana Terminal 4 mm</p> <p>Lemo Unipole type ERA 3S 140 CTL (Other type on request)</p>		
<p>Vettiner Benefit</p> <ul style="list-style-type: none"> Voltage coefficient ΔC / [0-Un] Capacitance stability / year Accuracy / Nominal capacitance Accuracy / Capa. Vettiner Calibration Accuracy / Capa. External Calibration No or reduced Maintenance Sturdiness & reliability over time Total operator safety & easy use 2 years warranty After sales service 	<p>≤ 30 ppm *</p> <p>< 0.05 %</p> <p>≤ 1.0 pF</p> <p>0.05 %</p> <p>≤ 0,02 %</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>2 years included, 3 or 5 or 10 years in option</p> <p>10 years guaranteed, over 50 years recorded</p>			<p>< 10 ppm / kV</p> <p>< ± 0.5 %</p> <p>≤ 2 %</p> <p>0.05%</p> <p>≤ 0,02% (dans les mêmes conditions)</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>2 years included, 3 or 5 or 10 years in option</p> <p>10 years guaranteed, over 50 years recorded</p>		
<p>Pressure & Temperature coeff.</p> <ul style="list-style-type: none"> Pressure coeff. ΔC / p Temperature coeff. ΔC / °C Pressure drift / T°C Δp / °C 	<p>+ 2.2.10⁻³ / bar</p> <p># + 2.10⁻⁵ / °C</p> <p># 0.03 bar / °C</p>			<p>N.A.</p> <p>- (125 ± 30).10⁻⁶ / °C</p> <p>N.A.</p>		
<p>Environment</p> <ul style="list-style-type: none"> Operating temperature Storage temperature Operating Hydrometry Altitude 	<p>- 10 °C up to + 50 °C</p> <p>- 20 °C up to + 70 °C</p> <p>≤ 70%; if H > 70% : Ambient temp. 5°C > dew point temp.</p> <p>up to 1000 m, consult us for eventual application at higher elevation</p>			<p>- 10 °C up to + 50 °C</p> <p>- 25 °C up to + 70 °C</p> <p>up to 70% ; if H ≥ 70% : Ambient temperature 5°C mini > dew point temp.</p> <p>up to 1000 m, consult us for eventual application at higher elevation</p>		
<p>Options & Accessories</p> <ul style="list-style-type: none"> Set of measuring cables Cn 67 pF/m, Cx 100 pF/m... Use as HV AC divider 2nd measuring electrode Cn₂ (Tanδ + HV Div.) 0,5% divider with built-in LV capacitance ≤ 0,1% Accurate div. with ext. LV Std. Cap.* Tan δ Calibrator/4 Values : 5.10⁻⁵ - 1.10⁻⁴ - 5.10⁻⁴ - 1.10⁻³ Digital Kilo-Voltmeter : AC RMS, Peak, Peak/√2 ... 	<p>Type & length under request</p> <p>Under Request</p> <p>Under Request</p> <p>Under Request</p> <p>Under Request</p> <p>List of measuring modes under request</p>   			<p>Under Request</p> <p>Under Request</p> <p>Under Request</p> <p>Under Request</p> <p>Under Request</p> <p>List of measuring modes under request</p>  		
<p>Freight & Packaging</p> <ul style="list-style-type: none"> Important Note 	<p>New Rule Applicable 01/07/2019</p> <p>Packing & Marking by Road or/ & Sea : UN 3538 with SF6, by air : UN 3363 as SF6 < 500 g & UN 3163 for SF6 Free (Road, Sea & Air)</p>			<p>No specific requirement for freight</p> <p>Simple satisfying protection complying with ISPM 15</p>		
<p>Calibration</p> <ul style="list-style-type: none"> Vettiner certif. included (ILAC Traceability) External laboratory calibration 	<p>✓</p> <p>ISO 17 025 under Request</p>			<p>✓</p> <p>ISO 17 025 under Request</p>		

Note: 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