








| TECHNICAL OFFER N° xxxxxxxx | | 26/01/2023 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---|--------|--------|--------|---------------|-----|------|--------|--------|--------|---------------|-----|------|--------|--------|--------|---------------|--------------|--------------|------|------|------|---------------|--------------|--------|--------|--------|--------|--|-----------------------|--------------|--|--|--|---|---|---|--|
| DESIGNATION | 500 V - 1 000 pF | 500 V - 1 000 pF | 500 V - 1 000 pF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vettiner References | CA 0.5-1000 | CSA 0.5-1000 | CSB 0.5-1000 (NEW) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CA/CS 0.5-1000 WOI CA/CS 0.5-1000 PPACK</p> <p>Possible Packing 1. Wooden Packing (Ref. WOI) or 2. Container Packing (Ref. PPACK) (UN 3538, UN3563 & ISPM 15 Comply)</p>  <p>Dimensions & Weight</p> <table border="1"> <tr> <td>• Height (mm)</td> <td>600mm</td> <td>590 mm</td> <td>200 mm</td> <td>225 mm</td> <td>225 mm</td> </tr> <tr> <td>• Base Ø (mm)</td> <td>N.A</td> <td>N.A.</td> <td>120 mm</td> <td>140 mm</td> <td>140 mm</td> </tr> <tr> <td>• Head Ø (mm)</td> <td>N.A</td> <td>N.A.</td> <td>120 mm</td> <td>168 mm</td> <td>168 mm</td> </tr> <tr> <td>• Side □ (mm)</td> <td>400 x 400 mm</td> <td>300 x 300 mm</td> <td>N.A.</td> <td>N.A.</td> <td>N.A.</td> </tr> <tr> <td>• Weight (Kg)</td> <td># 8 kg ± 20%</td> <td>3.5 kg</td> <td>2.5 kg</td> <td>4.0 kg</td> <td>4.1 kg</td> </tr> <tr> <td></td> <td>GW. # 11/13 kg ± 2 kg</td> <td>GW. # 6/8 kg</td> <td></td> <td></td> <td></td> </tr> </table> | • Height (mm) | 600mm | 590 mm | 200 mm | 225 mm | 225 mm | • Base Ø (mm) | N.A | N.A. | 120 mm | 140 mm | 140 mm | • Head Ø (mm) | N.A | N.A. | 120 mm | 168 mm | 168 mm | • Side □ (mm) | 400 x 400 mm | 300 x 300 mm | N.A. | N.A. | N.A. | • Weight (Kg) | # 8 kg ± 20% | 3.5 kg | 2.5 kg | 4.0 kg | 4.1 kg | | GW. # 11/13 kg ± 2 kg | GW. # 6/8 kg | | | |  |  |  | |
| • Height (mm) | 600mm | 590 mm | 200 mm | 225 mm | 225 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Base Ø (mm) | N.A | N.A. | 120 mm | 140 mm | 140 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Head Ø (mm) | N.A | N.A. | 120 mm | 168 mm | 168 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Side □ (mm) | 400 x 400 mm | 300 x 300 mm | N.A. | N.A. | N.A. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Weight (Kg) | # 8 kg ± 20% | 3.5 kg | 2.5 kg | 4.0 kg | 4.1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | GW. # 11/13 kg ± 2 kg | GW. # 6/8 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Main Application | ✓ ✓ ✓ | ✓ ✓ ✓ | ✓ ✓ ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Main Characteristics | Plates Electrodes in Aluminium * Air (or N2) ≤ 1 bar | Plates Electrodes in Aluminium * SF 6 Gas ≤ 1 bar | Plates Electrodes in Invar NG New Gas < 1 bar (SF6 Free) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Technology | 500 V | 500 V | 500 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Insulant | 600 V | 600 V | 600 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Nominal Voltage | 1 000 pF | 1 000 pF | 1 000 pF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Maxi tested Voltage | ≤ 1.10 ⁻⁵ * | < 1.10 ⁻⁵ | << 1.10 ⁻⁵ (# 1 or 2 ppm !) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Nominal Capacitance | ≤ 5 pC | ≤ 5 pC | ≤ 5 pC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Tan delta | 1 Hz up to 1 kHz | 1 Hz up to 1 kHz | 1 Hz up to 1 kHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Partial Discharges level | > 100 GΩ | > 100 GΩ | > 100 GΩ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Frequency operating | Lemo 35* (Other type on request) | Vettiner Term. (Other type on request) | Vettiner Term. (Other type on request) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Insulation resistance | Lemo 35* (Other on request) | Lemo 35* (Other on request) | Lemo 35* (Other on request) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • HV Terminal - Fixed Socket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • C _n Terminal - Fixed Socket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vettiner Benefit | ≤ 30 ppm* | ≤ 20 ppm* | ≤ 10 ppm* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Voltage coefficient ΔC / [0-Un] | < 0.05 % | < 0.05 % | < 0.01 % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Capacitance stability / year | ≤ 0,1 %* | ≤ 0,05 % | ≤ 0,05 % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Adjusting accuracy / Nominal capa. | 0,05 % | 0,05 % | 0,05 % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Accuracy / Capa. Vett.calibration | ≤ 0,02 % * | ≤ 0,02 % * | ≤ 0,005 % * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Accuracy / Capa. Ext.calibration | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • No or reduced Maintenance | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Sturdiness & reliability over time | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Total operator safety & easy use | 2 years included, 3 or 5 or 10 years in option 2 years included, 3 or 5 or 10 years in option.... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Warranty | 10 years guaranteed, over 50 years recorded 10 years guaranteed, over 50 years recorded | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • After sales service | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pressure & Temperature coeff. | + 0.5.10 ⁻³ / bar | + 2.2.10 ⁻³ / bar | + 2.2.10 ⁻³ / bar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Pressure coeff. ΔC / p | # + 2.10 ⁻⁵ / °C | # + 2.10 ⁻⁵ / °C | # + 3.10 ⁻⁶ / °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Temperature coeff. ΔC / °C | # 0.03 bar / °C | # 0.03 bar / °C | # 0.03 bar / °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Pressure drift / T°C Δp / °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Environment | -10 °C up to +50 °C | -10 °C up to +50 °C | -10 °C up to +50 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Operating temperature | -20 °C up to +70 °C | -20 °C up to +70 °C | -20 °C up to +70 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Storage temperature | ≤ 95% non condensing | ≤ 95% non condensing | ≤ 95% non condensing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Operating Hydrometry | ≤ 2500 m or consult us | ≤ 2500 m or consult us | ≤ 2500 m or consult us | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Altitude | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Accessories & Options | Under Request | Under Request | Under Request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Set of measuring cables (Cn 67 pF/m, Cx 100 pF/m, etc) | 5.10-5 ; 1.10-4 ; 5.10-4 ; 1.10-3 ; 5.10-3 ; 1.10-2 * | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Use as Multi Tan delta standards, additional values |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Use as HV AC divider | Under Request | Under Request | Under Request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • 2nd measuring electrode (Simultaneous Tan δ + HV) | Under Request | Under Request | Under Request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • 0.5% divider with associated HV cap. | Under Request | Under Request | Under Request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • ≤ 0.1% divider with ext. Std. Cap. | Under Request | Under Request | Under Request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Digital Kilo.Voltmeter (AC/DC Comply) | Under Request | Under Request | Under Request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Freight & Packaging | Simple Protection packing & marking only for air freight | UN 3538 / 3363 compulsory packing & marking for freight | UN 3163 compulsory packing & marking for freight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Important note | New Rule Applicable 01/07/2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calibration | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • Vettiner certificate included (COFRAC/ILAC Traceability) | ISO 17 025 Under Request | ISO 17 025 Under Request | ISO 17 025 Under Request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • External Calibration certificate | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

* Better on demand