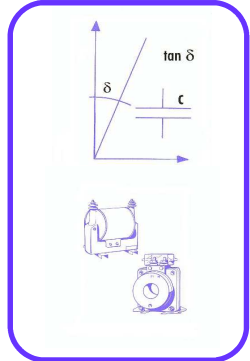
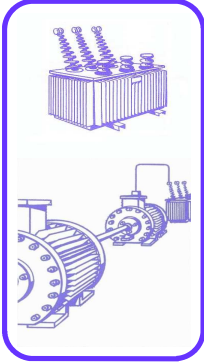


**NEW - NEW - NEW**



**MOBILE TEST SET**  
**TAN  $\delta$  & CAPACITANCES MEASUREMENTS**  
**& ADDITIONAL TESTS**  
**MTS TYPE**



**FUNCTION**

- High precision mobile measuring system of dielectric dissipation factor (Tan  $\delta$ ) and capacitances in high and low voltage (Built-in modes : UST, GST & GSTg).
  - Measurements from some hundred Volts up to 2 kV or 2.5 kV or 12 kV or 15 kV
  - Measurements with high accuracy Schering bridges (SPC range) or digital loss factor analyzers (AFP range)
- Very easy and convenient mean for the characterization of dielectric insulant status.
- Possibility to built-in additional tests  
(For example, for transformers : Turns ratio test, no load test...)

**STANDARDS**

- Conformity to IEC & NFC Standards

**QUALITY**

- of Manpower
- of Know-how
- of Procedures
- of Components

**APPLICATION**

- Measurement of status of new and degree of ageing of dielectric insulants used in high and medium voltage.
- Solid or liquid insulants: All kinds of transformers, rotating machines, bushings, cables, parts of equipments (coils, bars...), dielectric oils...
- Production, transmission and distribution of energy on national grid networks or local (including internal networks of industries)
- Manufacturers, repairers, services cies....
- Laboratories, universities...

**ACCURACY**

- High accuracy of measurements
- Stability of components

**MTS RANGE BENEFITS**

- Very fast convenient mobile measuring system
- Simplicity of use
- LCD display of test results
- RS 232 interface for PC or printer
- Test results storage possible thanks to USB terminal
- Total safety of operator
- Reliability
- Reduced maintenance
- Easy check of calibration
- Convenient and simple calibration

**CALIBRATION**

- Primary Standards linked to LNE
- Tracing

**WARRANTY**

**1 YEAR**

**AFTER SALES SERVICE**

**10 YEARS**



FP MTS RANGE - 05/11/12

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# MOBILE TEST SET

## TAN δ & CAPACITANCES MEASUREMENTS & ADDITIONAL TESTS

### MTS TYPE



### MAIN CHARACTERISTICS

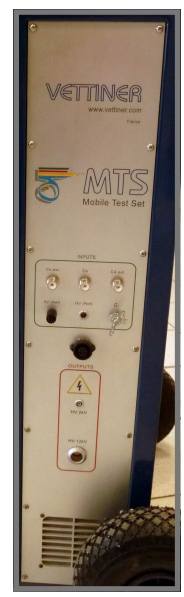
#### General

- Measuring modes : UST - GST - GSTg
- Interference suppression : Built-in circuit
- Mains input (Temp. fuse) : 85 V - 265V / 45 - 65 Hz
- Parameter display : Test Voltage, frequency...
- Results display on LCD : Tan δ, capacitance, current, cos φ...  
Temperature, hygrometry

#### Possible built-in power supplies (Other values on request)

- Built-in MTS : 0 - 2kV / 20mA max (50 or 60 Hz)
- : 0 - 2.5kV / 20mA max (50 or 60 Hz)
- : 0 - 12kV / 200mA (50 or 60 Hz)
- : 0 - 12kV / 400mA (50 or 60 Hz)
- : 0 - 15kV / 200mA (50 or 60 Hz)
- : 0 - 15kV / 400mA (50 or 60 Hz)

(Full HV protection for each measuring kit including power supplies)

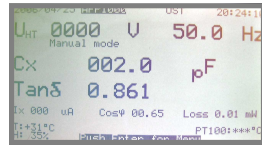


PARAMETERS		AFP 1000	AFP 2000	AFP 3000	SPC 2000	SPC 3000
• Voltage	• Display	• 4 digits	• 4 digits	• 5 digits	• 4 digits	• 5 digits
	• Range	• 0-2 kV or 2.5 or 12 or 15 kV	• 0-2 kV or 2.5 or 12 or 15 kV	• 0-2 kV or 2.5 or 12 or 15 kV	• 0-2 kV or 2.5 or 12 or 15 kV	• 0-2 kV or 2.5 or 12 or 15 kV
	• Resolution	• 1 Volt	• 1 Volt	• 0.1 Volt	• 1 Volt	• 0.1 Volt
	• Accuracy	• 1.0 % reading ± 1 digit	• 1.0 % reading ± 1 digit	• 0.5 % reading ± 5 digits	• 1 % reading ± 1 digit	• 0.5 % reading ± 5 digits
• Current	• Display	• 3 digits	• 3 digits	• 4 digits	• 3 digits	• 4 digits
	• Range	• 0-20mA or 200/400mA/4A	• 0-20mA or 200/400mA/4A	• 0-20mA or 200/400mA/4A	• 0-20mA or 200/400mA/4A	• 0-20mA or 200/400mA/4A
	• Resolution	• 0.1 μA	• 0.1 μA	• 10 nA	• 1 μA	• 0.1 μA
	• Accuracy	• 1.0 % reading ± 1 digit	• 1.0 % reading ± 1 digit	• 0.5 % reading ± 5 digits	• 1 % reading ± 1 digit	• 0.5 % reading ± 5 digits
• Frequency	• Display	• 3 digits	• 4 digits	• 4 digits	• 4 digits	• 4 digits
	• Range	• 45.0 - 65.0 Hz	• 45.00 - 65.00 Hz	• 45.00 - 65.00 Hz	• 45.00 - 65.00 Hz	• 45.00 - 65.00 Hz
	• Resolution	• 0.1 Hz	• 0.01 Hz	• 0.01 Hz	• 0.01 Hz	• 0.01 Hz
	• Accuracy	• 0.1 % reading ± 1 digit	• 0.01 % reading ± 1 digit	• 0.01 % reading ± 1 digit	• 0.01 % reading ± 1 digit	• 0.01 % reading ± 1 digit
• Capacitance	• Display	• 4 digits	• 4 digits	• 5 digits	• 5 digits	• 5 digits
	• Range	• 0-40 nF or 60 nF or 120 nF	• 0-40 nF or 60 nF or 120 nF	• 0-20 nF or 60 nF or 120 nF	• 0-20 nF or 60 nF or 120 nF	• 0-20 nF or 60 nF or 120 nF
	• Resolution	• 0.01 pF	• 0.01 pF	• 0.01 pF	• 0.01 pF	• 0.01 pF
	• Accuracy	• 0.3 % reading ± 1 digit	• 0.1 % reading ± 1 digit	• 0.1 % reading ± 1 digit	• 0.1 % reading ± 1 digit	• 0.05 % reading ± 5 digits
• Tan delta (Tan δ)	• Display	• 4 digits	• 4 digits	• 5 digits	• 6 digits	• 5 digits
	• Range	• 1.10 <sup>-4</sup> to 100.0 %	• 1.10 <sup>-4</sup> to 100.0 %	• 1.10 <sup>-5</sup> to 100.0 %	• 1.10 <sup>-5</sup> to 100.0 %	• 1.10 <sup>-6</sup> to 100.0 %
	• Resolution	• 1.10 <sup>-4</sup>	• 1.10 <sup>-4</sup>	• 1.10 <sup>-5</sup>	• 1.10 <sup>-5</sup>	• 1.10 <sup>-6</sup>
	• Accuracy	• 1.0 % rdg ± 1.10 <sup>-3</sup> ± 1 dgt.	• 0.5 % rdg ± 5.10 <sup>-4</sup> ± 1 dgt.	• 0.2 % rdg ± 1.10 <sup>-4</sup> ± 1 dgt.	• 0.5 % rdg ± 5.10 <sup>-5</sup> ± 1 dgt.	• 0.5 % rdg ± 1.10 <sup>-5</sup> ± 1 dgt.
• Power factor (cos φ)	• Display	• 3 digits	• 3 digits	• 4 digits	• 4 digits	• 4 digits
	• Range	• 0 - 1.00	• 0 - 1.00	• 0 - 1.000	• 0 - 1.000	• 0 - 1.000
	• Resolution	• 0.01	• 0.01	• 0.001	• 0.001	• 0.001
	• Accuracy	• 1.5 % reading ± 1 digit	• 1.0 % reading ± 1 digit	• 1.0 % reading ± 1 digit	• 0.5 % reading ± 1 digit	• 0.5 % reading ± 1 digit
• Active power	• Display	• 3 digits	• 4 digits	• 4 digits	• 4 digits	• 4 digits
	• Range	• 0 - 99.9 kW	• 0 - 99.99 kW	• 0 - 999.9 kW	• 0 - 999.9 kW	• 0 - 999.9 kW
	• Resolution	• 10 μW	• 1 μW	• 1 μW	• 10 μW	• 1 μW
	• Accuracy	• 1.5 % reading ± 1 digit	• 1.0 % reading ± 1 digit	• 1.0 % reading ± 1 digit	• 1.0 % reading ± 1 digit	• 1.0 % reading ± 1 digit

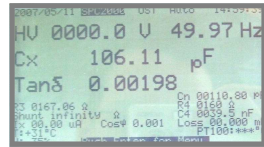
### TEST RESULTS DISPLAY

LCD display is adapted to selected tests and built-in equipments. See on right with AFP, SPC and MRT 2 range (Turns ratio meter)

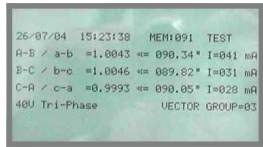
Display with AFP



Display with SPC



Display with MRT 2G

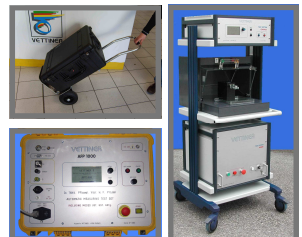


### PRESENTATION

- Overall dimensions : 650 x 460 x h 1 100 mm
- MTS case dimensions : 440 x 370 x h 1 050 mm
- Net weight : ≈ 40 kg with AFP & 2 kV power supply  
                  ≈ 70 kg with AFP & 12 kV power supply  
                  ≈ 75 kg with SPC & 12 kV power supply
- Final weight will depend of built-in equipments



• Other presentation (Case, desk, rack...) or other characteristics on simple request



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