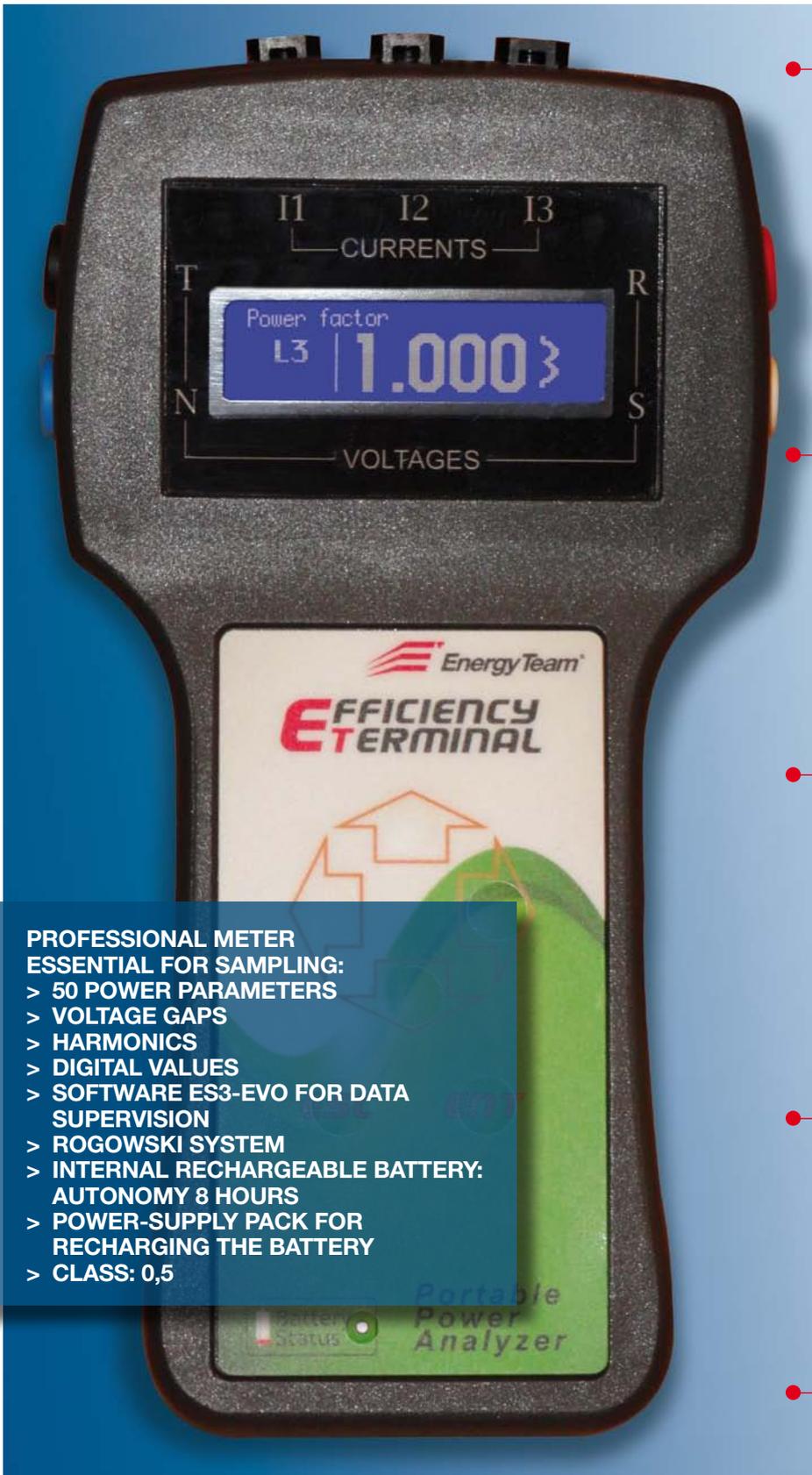


Efficiency Terminal

Portable Power Analyzer
Check your Energetic Efficiency



Reliable

R E L I A B L E

Allows extreme accuracy while taking batches of measurements on three-phase and single-phase electric lines, that can reach up to 250 days of continuous recording (with an integration time of 15 minutes) of the following values: linked and phase voltage, three-phase electric current, three-phase active power, three-phase power factor, measuring various electric magnitudes with an error lower than $\pm 0.5\%$ of the selected full scale. It is furthermore possible to sample other than electric magnitudes and parameters by enabling the relative options.

Versatile

V E R S A T I L E

The extreme flexibility of the device allows the extremely accurate measurement, within the selected scale, of a wide variety of electric charges. The Rogowski probes make possible a current measurement from 1 to 2000 Ampère, while maintaining the stated accuracy. Basically, a device for all circumstances, to sample and analyze any charge whatsoever, from a cell phone battery charger to the consumption of a smelting furnace.

Functional

F U N C T I O N A L

Easy to program parameters and measurement reports. The USB port allows fast and easy transfer of the collected data to a PC for subsequent analysis by the Es3 data processing software supplied with the device. Completely and specifically equipped with 3 flexible Rogowski probes with a measure range from 1 to 2000 Ampère and 4 silicon CAT III-double insulation wires. Both accessories are more than 2,5 meters long, allowing for use in situations with critical locations.

Portable

P O R T A B L E

The small size, the autonomy of the battery and the possibility to be supplied by an external power-supply pack, make possible measurement campaigns according to the desired duration. The particular shape makes this device practical and handy to use both in the field and on your desktop.

Software

S O F T W A R E

The Software Es3-Evo, specialized in Energetic Efficiency, is used by thousands Companies. It locates effectively the wastes and decreases the costs.

PROFESSIONAL METER ESSENTIAL FOR SAMPLING:

- > 50 POWER PARAMETERS
- > VOLTAGE GAPS
- > HARMONICS
- > DIGITAL VALUES
- > SOFTWARE ES3-EVO FOR DATA SUPERVISION
- > ROGOWSKI SYSTEM
- > INTERNAL RECHARGEABLE BATTERY: AUTONOMY 8 HOURS
- > POWER-SUPPLY PACK FOR RECHARGING THE BATTERY
- > CLASS: 0,5



Basic device accessories

- > 50 electric measurements performed.
- > Recording of voltage gaps and peaks with a resolution of 10 mms.
- > Recording up to the 25th harmonic on voltages and currents.
- > Graphic display with choice in character size.
- > USB communication port.
- > Measurements in true RMS values.
- > Four-quadrant measurements.
- > Clear displaying of the measured values.
- > Simple and basic programming of the parameters and the measurement reports by means of the keyboard.
- > Graphic visualization on the display of: Voltage, Current, Power, $\cos\phi$, harmonics and THD of the last 3 days.
- > 12 four-quadrant energy totalizers.
- > Clock and calendar.
- > Three voltage inputs up to 300V Line-Neutral and 500V Line-Line.
- > Overall accuracy: 0.50% full scale (measurement value).
- > Predisposed with external connectors for the insertion of: 2 digital input channels through a mini Din connector; USB for data monitoring by PC, Voltage and Current Inputs; connector for external power supplier.
- > Weight 800 gr.
- > Power supply: 12 Vdc by internal Lithium-ion battery, autonomy 8 hours. Provided by external power supplier 230Vac / 12Vdc for recharging the battery.
- > Operating temperature $-10^{\circ}\text{C} \div +55^{\circ}\text{C}$.
- > Relative humidity 95% without condensation.
- > 1.5 m USB-PC Connection cable.
- > Es3-Evo Software for the supervision, storage and handling of collected data.
- > User's manual for the device and the software.
- > Compliance: EN 55011, (classe A) EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11, EN 60204-1.
- > 3 Rogowski probes, flexible and open ended, tightening diameter: 100 mm. Accuracy: Class 0,5. Cable length: 2,5 m. Single and Three-phase measurement (from 1 to 3 collectors). Full-scale output capacities: 60, 125, 250, 500, 1000, 2000 Ampère.
- > 4 silicon CAT III - double insulation cables for measurement under tension. Length: 2.5 m.
- > Compatibility EN 50081-1 Classe B, EN 50082-2, CEI 1000-4-2, CEI 1000-4-3, CEI 100-4-4, CEI 1000-4-8, CEI 1010-1, CEI 1010-2-032.

ES3-EVO SOFTWARE FOR THE SUPERVISION, STORAGE AND HANDLING OF COLLECTED DATA

