ELCONTROL® ENERGY S.p.A.

advanced technology for electrical installations

MICROVIP3 PLUS

Portable energy and harmonics analyser for unbalanced 1- and 3-phase systems.

189 functions from ONE instrument

33 measurements showing the true value displayed on a back-lit LCD.

Volt	Rms phase-to-phase voltage (average of the three phases)
Amp	Equivalent rms current of the three-phase system
P.F. cosØ	Power factor of the three-phase system
kWatt	Active power of the three-phase system
Volt L1	Rms voltage between phase L1 and neutral
Volt L2	Rms voltage between phase L2 and neutral
Volt L3	Rms voltage between phase L3 and neutral
Amp L1	Rms current of phase L1
Amp L2	Rms current of phase L2
Amp L3	Rms current of phase L3
kW L1	Phase L1 active power
kW L2	Phase L2 active power
kW L3	Phase L3 active power
P.F. cosØ L1	Phase L1 Power Factor
P.F. cosØ L2	Phase L2 Power Factor
P.F. cosØ L3	Phase L3 Power Factor
kvar	Reactive power of the three-phase system
kVA	Apparent power of the three-phase system
Hz	Voltage frequency
kvarh (kVAh)	Reactive energy consumption for the three-phase system (Apparent Energy with STD2 option)
kWh	Active energy consumption for the three phase system
-kVArh	Reactive energy export (COG4 option)
-kWh	Active energy export (COG4 option)
kVAr	Average reactive power peak of the three-phase system
kVA	Average apparent power peak of the three-phase system
kW	Average active power peak of the three-phase system
THDF VL1	Total Harmonic Distortion Factor of the Voltage of Phase 1 referenced to the RMS value for 50 / 60 Hz systems.
THDF VL2	Total Harmonic Distortion Factor of the Voltage of Phase 2 referenced to the RMS value for 50 / 60 Hz systems.
THDF VL3	Total Harmonic Distortion Factor of the Voltage of Phase 3 referenced to the RMS value for 50 / 60 Hz systems.
THDF AL1	Total Harmonic Distortion Factor of the Current of Phase 1 referenced to the RMS value for 50 / 60 Hz systems.
THDF AL2	Total Harmonic Distortion Factor of the Current of Phase 2 referenced to the RMS value for 50 / 60 Hz systems.
THDF AL3	Total Harmonic Distortion Factor of the Current of Phase 3 referenced to the RMS value for 50 / 60 Hz systems.
LOG on (off)	To activate (or de-activate) storage (Changed using the SET key)
01÷99 m (minutes)	Data recording rate
00÷100 (%) MEM	% of memory used

A new compact portable Energy & Power Quality Analyser for both single phase and 3 phase systems, supplied complete with 3 off 1000A clip-on CTs.

Crisp high-contrast backlit LCD displays true RMS values for up to 33 parameters.

Massive 1MB on-board memory for data storage over extended survey periods including waveform capture for current and voltage.

Programmable 42 column on-board graphics printer provides additional 156 parameters of data including V&I harmonics to 24th multiple with both DC component and displacement factor, and waveform/harmonic bar chart printout.

Supplied complete with CTs, voltage leads and all accessories in strong carry case.

Fast download to PC via high-speed serial link.

Fully programmable for all CT/VT ratios, star/delta/single phase connection and power integration period.

Class 1 accuracy (IEC 1036)

Suitable for DC measurement (via optional DC clamp).

Dual voltage power supply 230/110VAC with internal rechargeable back-up battery.

On-board clock/calendar.

156 additional measurements of the printer

	VHØ, AHØ	VH1, AH1	VH2, AH2	VH3, AH3	VH4, AH4	VH5, AH5	VH6, AH6	VH7, AH7	VH8, AH8	VH9, AH9	VH10, AH10	VH11, AH11	VH12, AH12	VH13, AH13	VH14, AH14	VH15, AH15	VH16, AH16	VH17, AH17	VH18, AH18	VH19, AH19	VH20, AH20	VH21, AH21	VH22, AH22	VH23, AH23	VH24, AH24	Cosφ fnd.
L1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
L2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
L3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

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