

Power QUALITY ANALYZERS

POWERCOMPACT3020 (designed and manufactured by kPS)

Is a powerful, portable network analyzer developed for professional analysis of consumption and power quality of the most complex electrical networks. It can be used on single-phase, two-phase, and three-phase (balanced and unbalanced) networks, low and medium voltage. The advanced features and analysis software supplied makes it a suitable tool to the most demanding professional needs.

Experts in Measurement Instrumentation



The instrument can be held indifferently through its ergonomic rubber guard, or supported thanks to its integrated removable stand or magnetic captors, both to simplify measurements in the field or near a PC.

An elegant membrane keypad with 10 buttons with dual function provides an easy and intuitive navigation menu.

Equipped with a large (68x68mm) and efficient LCD display, which allows the display of waveforms, graphics'. White pixels on a dark blue background provide a great visuality of the screen.



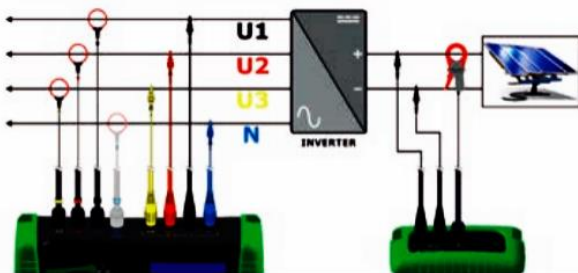
VOLTAGE (TRMS) Øphase: -phase:7-1000VAC 40-70Hz Phase: -neutral: 5-600VAC 40-70Hz Aux: 5-1000VAC 40-70Hz, 10-1400VDC	CURRENT (TRMS) Rango: 6-3000A Ratio: 1-60000
POWER Single phase and total power: Values < 999 GW, Gvar, GVA	HARMONICS Up to 50th order
EVENTS Interruptions: >500mS Dips: >500mS Swells: >500mS	TRANSIENTS Swells and over currents > 150uS Inrush current analysis

SKU	UPC	EAN 13
KPSMT480CBBINTFRTT	810053670057	8435394774701



MULTIPLE INPUTS

- 3 voltage channels **U1**, U2 and **U3**, with common neutral (**N**), and 4 independent current channels **I1**, **I2**, **I3**, **In**.
- An independent, auxiliary voltage input (**UAUX**) and an independent, auxiliary current input (**IAUX**) are also available.



Connection diagram in a photovoltaic network

Suitable for any network: • **3φ+N**

- 3φ
- 2φ
- 1φ
- PV systems

* The DC current clamp and additional voltage cables are optional accessories.

COMPLETE KIT

Contents

- Voltage test leads POWER COMPACT/VTL - 4
- pcs Crocodile POWER COMPACT/AL - 4 pcs
- Rogowski AC current clamps (ULTRAFLEX3000) - 3 pcs
- Battery pack POWER COMPACT/BAT (4x AA NiMh 2100mAh) - 1pc
- mSD 16Gb
- External power supply +adapters POWERCOMPACT/PS - 1set
- Calibration certificate
- User manual
- Transportation case



POWERFUL ANALYSIS

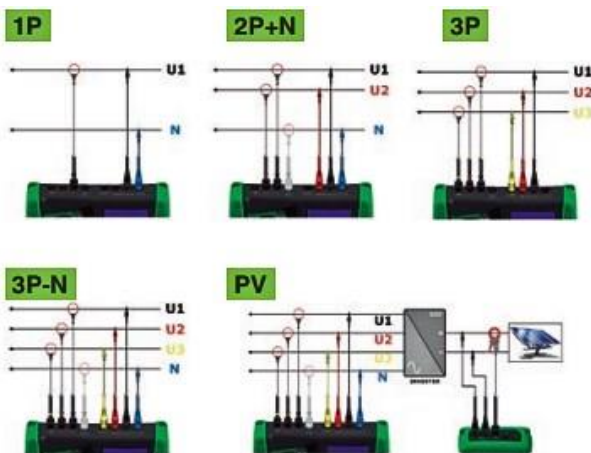
- Data storage through external SMD card (16 Gb)
- Communication to PC through USB port
- Professional Software POWER COMPACT/Studio for full analysis of parameters, events, graphs...etc

(Included on kit and available on the website for downloading)



CONNECTING SYSTEM

- Single phase
- Two-phase
- Three-phase, 3-wires, balanced
- Three-phase, 3-wires, unbalanced
- 3-phase, 4-wires, balanced
- 3-phase, 4-wires, unbalanced



FUNCTIONALITY & PARAMETERS

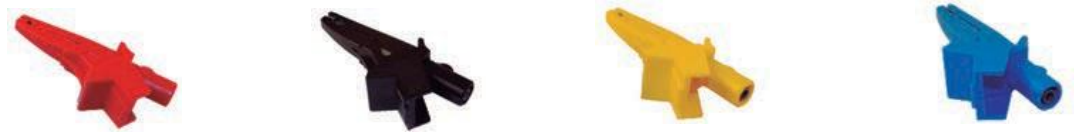
- Traditional electrical analysis: V, I, P, Q, S, F, PF, THD(V)%, THD(I)%, $\cos\phi$, ϕ , peaks, minimums, maximums, averages, max. demands, etc.
- Neutral current
- Three phase counters: kWh, kVAh, kVAh, both absorbed that generated
- Counters for each single phase: kWh, kVAh, kVAh, both absorbed that generated
- Cogeneration
- Waveforms: V & I
- Harmonics: Values and histograms up to the 50th order
- Sags: Dips, swells & interruptions
- Transients: Overvoltage's & overcurrent's •
- Unbalance Test EN 50160
- Inrush current
- DC measures
- K factor: Up to the 25th order
- Alarms: Displayed
- Alarms log: 5 at display
- Tariff bands:4
- Energy costs



SKU	KPSPQA5ACBINT	KPSPQA200ACBINT	KPSPQA1000ACBINT	KPSPQA600ACBINT	KPSFLEX3000ACBINT
UPC	810053673355	810053673362	810053673379	810053673386	810053673393
EAN	8435394776200	8435394776217	8435394776224	8435394776231	8435394776248
Current measurement range	0,01 - 5A AC	0,5 - 200A AC	0,1 - 1000A AC	0,2 - 400A AC 0,4 - 600A DC	6 - 3000A AC
Jaw capability	Max. cable Ø20 mm 1 busbar 20x5 mm	Max. cable Ø20 mm 1 busbar 20x5 mm	Max. cable Ø52 mm 1 busbar 50x5 mm 4 busbars 30x5 mm	1 cable Ø30 mm 2 cables Ø24 mm 2 busbars 31.5x10 mm	1 cable Ø150 mm



SKU	KPSPQAVREDPEINT	KPSPQAVBLACKPEINT	KPSPQAVYELLPEINT	KPSPQAVBLUEPEINT
UPC	810053673409	810053673416	810053673423	810053673430
EAN	8435394776255	8435394776262	8435394776279	8435394776286
Length	1,5 m	1,5 m	1,5 m	1,5 m
Color	Red	Black	Yellow	Azul
Max. current	10A	10A	10A	10A
Safety rating according to EN61010	CAT III 1000V	CAT III 1000V	CAT III 1000V	CAT III 1000V



SKU	KPSPQAAREDPEINT	KPSPQAABLACKPEINT	KPSPQAAYELLPEINT	KPSPQAABBLUEPEINT
UPC	810053673447	810053673454	810053673461	810053673478
EAN	8435394776293	8435394776309	8435394776316	8435394776323
Opening	45 mm	45 mm	45 mm	45 mm
Color	Red	Black	Yellow	Blue
Max. current	10A	10A	10A	10A
Safety rating according to EN61010	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V



SKU	KPSPQAMAGPEINT	KPSPQABATPEINT	KPSPQAPOWCBINT
UPC	810053673485	810053673492	-
EAN	8435394776330	8435394776347	8435394776354
Description	4 magnetic captors set	Replacement battery	External power supply with adapters