

TES

Reliable in Quality

Harmonics

6603/6605

AC Clamp-on Power and Harmonics Tester

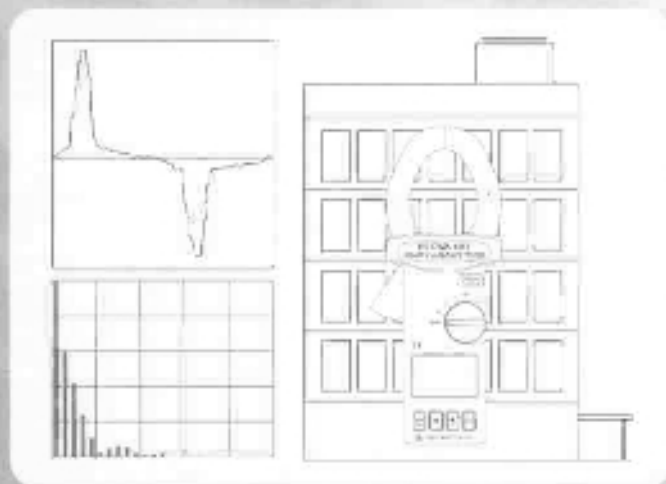


Power Analysis

- W, KW, H.P.
- VA, KVA, VAR, KVAR
- PF, Phase Angle (Φ)
- Energy (WH, KWH)
- Balanced 3 Φ Power Quality
- Balanced 3 Φ Sequence
- Programmable CT Ratio (1 to 250)
- Dual Displays (W+PF, VA+KVAR...)
- Resistance and Continuity with Beeper

Harmonic Analysis

- True RMS value (V and A)
- 6603 (600A), 6605 (1500A)
- Harmonic Analysis (V and A) to the 99th Order in % and in magnitude
- Better Understanding of High Frequency Harmonic Analysis (up to 5/6 KHz)
- Non-interrupted Harmonic Analysis
- Analysis of Total Harmonic Distortion (THD-F)
- Analysis of Crest Factor (C.F.)
- Fast Peak Function (33 μ s and 39 μ s)



CE

EN61010-2-032

CAT III 600V

Pollution Degree 2

Specifications (23°C ± 5°C) Please refer to users manual for more detailed and up-to-date description of specification.

AC Watt (50 or 60 Hz, PF 0.5 to 1, CT = 1, Accuracy of Readings)

Model 6603 (0 to 600A), Model 6605 (0 to 1500A)

Range	Resolution	Accuracy (6603)	Accuracy (6605)
100.0 - 999.9 W	0.1W	±1% ± 8dgt	±1% ± 8dgt
1.000 - 9.999 KW	0.001 KW	±1% ± 8dgt	±1% ± 8dgt
10.00 - 99.99 KW	0.01 KW	±1% ± 8dgt	±1% ± 8dgt
100.0 - 999.9 KW	0.1 KW	±1% ± 8dgt	±1% ± 8dgt
1000 - 9999 KW	1 KW	±1% ± 8dgt	±1% ± 8dgt

AC Current (50 or 60 Hz, True RMS)

Range (Model 6603)	Range (Model 6605)	Resolution	Accuracy of Readings
0.00 - 99.99A	0.00 - 99.99A	0.01A	±0.5% ± 8dgt
100.0 - 600.0A	100.0 - 999.9A	0.1A	±0.5% ± 8dgt
—	1000 - 1500A	1A	±0.5% ± 3dgt

AC Voltage (50 or 60 Hz, True RMS)

Range	Resolution	Accuracy of R.	Range	Resolution	Accuracy of R.
3V - 250V	0.1 V	±0.5% ± 5dgt	250V - 600V	0.1 V	±0.5% ± 5dgt

Harmonics of AC Voltage In % and Magnitude (1 to 99th order)

Range	Resolution	Accuracy in %	Resolution	Accuracy in Magnitude
50V - 600V	0.1 %	±0.5%	0.1 V	±0.5% ± 0.5V

Harmonics of ACA in % Percentage and Magnitude (1 to 99th order, Accuracy of Readings)

Range (6601)	Range (6602)	Res.	Accuracy (%)	Res.	Accuracy
0.00 - 99.99A	0.00 - 99.99A	0.1 %	±1.0%	0.01A	±1.0% ± 0.08A
100.0 - 600.0A	100.0 - 999.9A	0.1 %	±1.0%	0.1A	±1.0% ± 0.8A
—	1000 - 1500A	0.1 %	±1.0%	1A	±1.0% ± 3A

Power Factor (PF)

Range	Resol.	Accuracy
0.00 - 1.00	0.01	±1.5% ± 8dgt

Phase Angle (Φ)

Range	Resol.	Accuracy
-180° to 180° (0° to 360°)	0.1°	±1° ± 2dgt

Total Harmonic Distortion (THD-F, 1 to 99th order)

Range	Resolution	Accuracy of R.
0.0 - 999.9%	0.1%	±0.5% ± 5 digits

Crest Factor (C.F., Accuracy of Readings)

Range	Resolution	Accuracy of R.
1.00 - 99.99	0.01	±5% ± 30 digits

Resistance (Ω) and Continuity (Beep if less than 50Ω)

Range ¹	Resolution	Accuracy	Range	Resolution	Accuracy
10.0 - 999.9 Ω	0.1Ω	±3%	1000 - 1200Ω	1Ω	±3%

¹ If reading is less than 10Ω, it is displayed as 0Ω

Conductor Size: 55mm (approx.), 64 X 24mm (Bus Bar)

Display: 4+4 digits LCD

Auto-Power-Off: 30 minutes

LCD update rate: 2 times / sec.

Operating Temperature: -10°C to 50°C

Storage Temperature: -20°C to 60°C

Dimension: 271 (L) x 112 (W) x 46mm (H), 10.7" (L) x 4.4" (W) x 1.8" (H)

Weight: 647g (battery included)

Accessories: test leads, Carrying bag x 1, Users manual x 1, Batteries 1.5V x 2

Option: alligator clips

Battery Type: 1.5V SUM-3 x 2

Power Consumption: 30mA (approx.)

No. Of Samples / Period: 512 (V & A), 256 (W)

Operating Humidity: < 85% relative

Storage Humidity: < 75% relative



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