

AFLEX-3003 Flexible VA Harmonics Tester

AFLEX -3005 Flexible Power Quality Tester



FEATURES

Power Analysis (3005)

- W, KW, H.P.
- VA ,KVA, VAR, KVAR
- PF, Phase Angle(Φ)
- Energy (WH, KWH)
- Dual displays (W+PF, VA+KVAR)
- Balanced 3 Φ Power Quality and Sequence

Harmonics Analysis

- True RMS (V and A)
- 3000 A
- Non-interrupted Harmonic Analysis (V and A) to the 50th Order in % and Magnitude
- Analysis of % THD-F and C.F.
- Fast Peak Function (33 μ s and 39 μ s)
- Programmable PT (1 to 250)ratios
- Auto - Power - Off : 30 Minutes



Flexible probe , different from normal clamp meter, can pass through obstacles at will and wind many conducting wires simultaneously, max. diameter 170mm



SPECIFICATION

AC Watt (50 or 65 Hz, PF 0.5 to 1, CT=1) AFLEX-3005 only

Range	Resolution	Accuracy of reading
100.0 - 999.9 W	0.1 W	2% of range
1.000 - 9.999 KW	0.001 KW	2% of range
10.00 - 99.99 KW	0.01 KW	2% of range
100.0 - 999.9 KW	0.1 KW	2% of range
1000 - 9999 KW	1 KW	2% of range

AC Voltage(50 or 65 Hz ,Auto Range, True RMS)

Range	Resolution	Accuracy of reading
4.0 V - 600 V	0.1 V	$\pm 0.5\% \pm 5$ dgts

Harmonics of AC Current in % and Magnitude(1 to 50th order)

Range	Resolution	Accuracy in %	Accuracy of Magnitude
1-20th	0.1%	$\pm 2\%$	$\pm 2\%$ of reading ± 0.4 A
21st-50th	0.1%	$\pm 4\%$ of reading $\pm 2.0\%$	$\pm 4\%$ of reading ± 0.4 V

AC Current(50 or 65 Hz ,Auto Range, True RMS)

Range	Resolution	Accuracy of reading
0 - 300.0 A	0.1 A	1% of range
300.0 - 999.9 A	0.1 A	1% of range
1000 - 3000 A	1 A	1% of range

Harmonics of AC Voltage in % and Magnitude(1 to 50th order)

Range	Resolution	Accuracy in %	Accuracy of Magnitude
1-20th	0.1%	$\pm 2\%$	$\pm 2\% \pm 0.5$ V
21st-50th	0.1%	$\pm 4\%$ of reading $\pm 2.0\%$	$\pm 4\%$ of reading ± 0.5 V

Total Harmonics Distortion(%THD-F,1 to 50th order)

Range	Resolution	Accuracy of reading
0.0-20%	0.1%	$\pm 2\%$
20-100%	0.1%	$\pm 6\%$ of reading $\pm 1\%$
100-999.9%	0.1%	$\pm 10\%$ of reading $\pm 1\%$

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