

## 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(  $\Phi$  )
- Energy (WH, KWH)
- Dual displays (W+PF, VA+KVAR)
- Balanced 3  $\Phi$  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 $\mu$ s and 39 $\mu$ 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
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1-20th	0.1%	±2%	±2% of reading ±0.4A
21st-50th	0.1%	±4% of reading ±2.0%	±4% of reading ± 0.4V

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%	±2%	±2% ±0.5V
21st-50th	0.1%	±4% of reading ±2.0%	±4% of reading ± 0.5V

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

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