



PLH 5760

Features

- True RMS value (V and A)
- Leakage Current Measurement at 10µA Resolution
- Harmonic Analysis (V and A) to the 99th Order
- 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 (33µs for 60Hz & 39µs for 50Hz)
- Programmable CT Ratio (1 to 250)
- W, KW, HP, VA, KVA, VAR, KVAR
- PF, Phase Angle (Φ)
- Energy (mWH, WH, KWH)
- Analysis of Standby Power Consumption
- Balanced 3 Phase Power Quality
- Balanced 3 Phase Sequence
- Max., Min. & Data Hold Function
- Active Power in HP

General Specifications

- Jaw Opening** : Cable Dia 30mm (approx.)
- Battery Type** : 1.5V SUM-3 x 2
- Display** : 4 + 2 + 2 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
- Option** : Alligator clips
- Power Consumption** : 10mA (approx.)
- No. of Samples/Period** : 512 (V & A), 256 (W)
- Operating Humidity** : < 85% relative
- Storage Humidity** : < 75% relative
- Weight** : 210gms Including Battery (approx.)
- Dimension** : 210 x 72 x 36 mm
- Accessories** : Test Leads, Carry Bag, Users Manual, Batteries (installed)

Specifications (23°C ± 5°C)

Harmonics of AC Current in % & Magnitude (1 - 99th order)				
Range	Resolution in %	Accuracy in %	Resolution in Magnitude	Accuracy in Magnitude
1 - 10th	0.1 %	±0.7% of reading ± 1%	0.01mA 0.1mA 0.001A 0.01A	± 1% of reading ± 2mA ± 1% of reading ± 0.3A
11 - 20th		± 2% of reading ± 1%		± 7% of reading ± 2mA ± 7% of reading ± 0.3A
21 - 50th (A range)		± 5% of reading ± 1%		± 15% of reading ± 0.3A
21 - 50th (mA range)		± 10% of reading ± 1%		± 15% of reading ± 3mA
51 - 99th		± 35% of reading ± 1%		± 35% of reading ± 3mA ± 35% of reading ± 0.3A

Harmonics of AC Voltage in % & Magnitude (1 - 99th order)				
Range	Resolution in %	Accuracy in %	Resolution in Magnitude	Accuracy in Magnitude
1 - 10th	0.1 %	±0.7% of reading ± 1%	0.1V	±0.7% of reading ± 7 dgts
11 - 20th		± 2% of reading ± 1%		± 2% of reading ± 7 dgts
21 - 50th		± 5% of reading ± 1%		± 5% of reading ± 7 dgts
51 - 99th		± 35% of reading ± 1%		± 35% of reading ± 7 dgts
				± 35% of reading ± 7 dgts

AC Watt (50 or 60Hz, PF 0.6 to 1. CT = 1, Accuracy of Readings)			
Range	Resolution	Accuracy (0 - 60A)	Accuracy (60 - 100A)
0.050 - 9.999W	0.001W	± 2% ± 0.025W	± 2% of VA ± 5 dgts
10.00 - 99.99W	0.01W	± 2% ± 0.25W	
100.0 - 999.9W	0.1W	± 2% ± 2.5W	
1.000 - 9.999KW	0.001KW	± 2% ± 0.025KW	
10.00 - 99.99KW	0.01KW	± 2% ± 0.25KW	
100.0 - 999.9KW	0.1KW	± 2% ± 2.5KW	
1000 - 9999KW	1KW	± 2% ± 25KW	

AC Current (50 or 60Hz, True RMS)		
Range	Resolution	Accuracy
00.50 - 60.00mA	0.01mA	± 0.5% ± 5 dgts
60.00 - 100.0mA	0.01/0.1mA	± 0.5% ± 50 dgts
100.0 - 600.0mA	0.1mA	± 0.5% ± 5 dgts
0.050 - 3.000A	0.001A	
3.000 - 30.00A	0.001/0.01A	
30.00 - 90.00A	0.01A	± 1.0% ± 5 dgts

AC Voltage (50 or 60Hz, True RMS)		
Range	Resolution	Accuracy
5 - 250V	0.1 V	± 0.5% ± 5 dgt
250 - 600V		

Power Factor & Phase Angle		
Range	Resolution	Accuracy
0.000 - 1.000	0.001	± 0.04
-180° to 180° & 0° to 360°	0.1°	± 2°

Total Harmonic Distortion (THD-F, 1 - 50th order)		
Range	Resolution	Accuracy
0.0 - 20.0%	0.1%	± 2%
20.0 - 100%	0.1%	± 3% of reading ± 5%
100 - 999.9%	0.1%	± 10% of reading ± 10%

Crest Factor (C.F., Accuracy of Readings)		
Range	Resolution	Accuracy
1.00 - 99.99	0.01	± 5% ± 30 dgt