



**MEASURES**

- Voltage, Current, Frequency
- kW, kVA, kVA<sub>r</sub>, Distorted kVA<sub>r</sub>
- Wh, VAh, VA<sub>r</sub>h, Dh (Distortion Energy)
- Short-term & Long-term Flicker, CF, K-Factor, FHL
- Harmonics up to 50 order on V, U, I, Neutral Current and VA
- PF, Cos $\phi$ , Tan $\phi$
- THDf & THDr on V, U & I
- Sequence of Harmonics
- V & I Transients
- Inrush Current

**SALIENT FEATURES**

- Complies with IEC 61000-4-30 measurement standard under Class B
- High electrical safety standards as IEC 61010, CAT IV 600V/ CAT III 1000V
- Multi tasking ability for simultaneous data logging, alarm recording, inrush current recording, harmonic analysis and transient recording
- Complete freedom to select parameters, time interval and duration
- Capture up to 16,362 alarms on any of 40 different types of parameters (½ cycle RMS for V, U & I; 1s RMS for other parameters)
- Record up to 50 screenshots (pictures)
- Capture up to 210 transients (4 cycles each)
- Capture Inrush Current (capture Current & Voltage waveforms)
- Phasor Diagram with Phase Angles
- DataView software for download and report generation as per EN50160
- Direct recording on PC with DataView software
- 4 sets of pre-recorded configuration for data logging
- Battery backup up to 13 hours for operation & 40 hours for data logging
- Auto CT recognition, accepts up to 9 different CTs for measurement
- CT/PT ratios are field programmable
- Flexibility to set different Transient threshold levels for V & I on each phase
- Hindi Language option for operation
- Colour TFT having clear wide angle view and Night-view facility

**TECHNICAL SPECIFICATIONS**

Number of channels	4U/4I
Voltage (TRMS AC + DC)	2V to 2000V ph-ph / 2V to 1000V ph-N
Voltage ratio	Up to 500 kV
Current (TRMS AC + DC)	5 mA to 10,000 Aac/ 10 mA to 5000 Adc (depending on Clamp)
Current ratio	Up to 60 kA
Frequency	42.5 to 69 Hz
Power values	W, VA, VA <sub>r</sub> , VAD, PF, DPF, cos $\phi$ , tan $\phi$
Energy values	Wh, VAh, VA <sub>r</sub> h, Dh
Voltage Accuracy	± (0.5% + 1V)
Current Accuracy	± 0.5% + CT Accuracy
Active Power Accuracy (kW)	± 1%
Harmonics, THD	on V, U, I, VA & In up to 50th order
Transients	210
Flicker (Pst & Plt)	Pst & Plt
Inrush mode	> 10 minutes
Alarms	16,362 events
Storage Capacity for a selection of parameters at 1s interval	2 weeks to several years
Phasor Diagram	Yes - on instrument & on PC
Display	Colour 1/4 VGA TFT screen, 320 x 240, diagonal 148mm
Capture of screen snapshots	50
Electrical safety	IEC 61010, 1000V CAT III / 600V CAT IV
Protection	IP53 / IK08
Communication interface	USB
Battery/ Battery life	9.6 V NiMH rechargeable battery / up to 13 hours
Dimensions / Weight	240 x 180 x 55 mm / 1.9 kg