Date d'édition : 12.11.2026

Ref : 727231

Multifunction meter

Multi-functional meter

The multi-functional meter is an all-purpose electronic meter for the measurement and monitoring of all important parameters for three-phase mains. The LC display with background lighting allows for reliable readings with no glare to be made even from long distance. A clear user interface and direct display of the functions used for all measurements are characteristic of the instrument. With integrated active and reactive power meters.

Measurement system:
- True-RMS measurement up to the 31st harmonic
- 2 and 4 quadrant measurement (programmable)
- 12bit A/D converter (6-channel)
- Continuous sampling of voltage and current waveforms (64 sampling per period, with PLL)

Accuracy of Measurement:

Voltage:	0,5% of reading +/- 1 digit from 40 to 300V, min. reading: 10V
Current:	0,5% of reading +/- 1 digit from 0,02 to 1,2A or from 1,2 to 6A (2 scales), min. reading: 10mA
Frequency:	0,02Hz from 45 to 65 Hz
Power:	1% of reading +/- 1 digit
Active Energy:	Class 1 complying with IEC EN 62053-21
Active Energy:	Class B EN50470-3
Reactive Energy:	Class 2 complying with IEC EN 62053-23

Measured Value

Phase to Neutral Voltage THD, ULN1
Phase to Neutral Voltage THD, ULN2
Phase to Neutral Voltage THD, ULN3
Phase to Phase Voltage THD, UL12
Phase to Phase Voltage THD, UL23
Phase to Phase Voltage THD, UL31
Phase Current, THD IL1
Phase Current, THD Il2
Phase Current, THDIL3
Frequency of, U1N
Phase to Neutral Voltage RMS UL1N
Phase to Neutral Voltage, RMS UL2N
Phase to Neutral Voltage, RMS UL3N
Phase to Phase Voltage, RMS UL12
Phase to Phase Voltage, RMS UL23
Phase to Phase Voltage, RMS UL31
Phase Current, MS IL1
Phase Current, RMS IL2
Phase Current, RMS IL3
Neutral Current, RMS Amplitude IN
Phase Active Power, P1
Phase Active Power, P2
Phase Active Power, P3
Phase Reactive Power, Q1
Phase Reactive Power, Q2
Phase Reactive Power, Q3
Phase Apparent Power, S1

Date d'édition : 12.11.2026

Phase Apparent Power, S2
Phase Apparent Power, S3
Phase Power Factor, PF1
Phase Power Factor, PF2
Phase Power Factor, PF3
Phase to Neutral Voltage Mean THD, ULN
Ph