



Date d'édition : 09.04.2026

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, THD IL3  
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

SYSTEMES DIDACTIQUES s.a.r.l.

Savoie Hexapole - Actipole 3 - 242 Rue Maurice Herzog - F 73420 VIVIERS DU LAC

Tel : [+330456428070](tel:+330456428070) | Fax : [+330456428071](tel:+330456428071)

[www.leybold-didactique.fr](http://www.leybold-didactique.fr)



Date d'édition : 09.04.2026

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