

MULTIS Lm35/Lm42

Energy meters with port

three phases - dual source and single source - 96 x 96 mm







MULTIS Lm35

MULTIS Lm42

Function

MULTIS Lm35 & **Lm42** are new versatile range of dual and single source energy meters with display of all energy and power parameters (only in Lm42, all the values except energy are accessed via RS485 port).

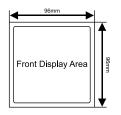
Applications

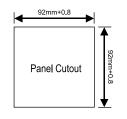
 MULTIS Lm35 is an LCD digital panel meter, with dual source energy metering with a 96 x 96 mm display and built in RS485 port for measurement of utility mains as well as DG emergency source power consumption, with programmable CT PT, encompassing all energy and power parameters, across 4 quadrants. MULTIS Lm42 is only for mains utility source energy measurements, with the other parameters via RS485 port

Advantages

- Made of sturdy polycarbonate housing.
- Resistant to high shock level and adapted for working in a high pollution environment.
- Multis Lm35 a highly adapted feature rich dual source, energy metering device, incorporating various power monitoring parameters.
- At a time upto 3 parameters are displayed on the LCD screen, balance in scroll mode.
- There are additional indications for the max demand threshold for power and energy.
- Multis Lm42 is an energy measurement device, with key power parameters accessible through the integrated RS485 port.
- Lm42 is designed for 4 quadrant energy measurement.

Dimensions



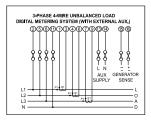


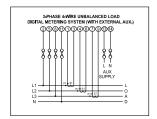
Туре	panel mounting		
Dimensions W x H x D	96 x 96 mm		
Panel cut out dimensions (H x W)	92+0.8 mm x 92+0.8 mm		
Front protection rating	IP50		
Weight	0.32 kg		

Electrical characteristics

Auxiliary power supply			
Voltage	60 300 V AC/DC		
Frequency	50 60 Hz		
Consumption	6 VA with RS485 port		
Operating conditions			
Operating Temperature	-10 +55 °C		

Connection





Measurement

Current measurements				
System CT secondary	1 A & 5 A			
System CT primary	from 1 A up to 9999 A			
Accuracy	± 1.0%			
Voltage measurements				
Nominal input voltage	P-N > 250V, P-P > 500V			
System PT secondary	110V L-L / 230V L-L / 415V L-L			
System PT primary	110V L-L / 230V L-L / 415V L-L			
Max. continuous input voltage	+ 20% of rated value			
Accuracy	± 1.0%			
Frequency measurement				
Energy accuracy	active			
Reactive energy	± 1.0%			

Electrical parameter

Lm35 Dual Source meter
KWh, KVARh, KVAh
KW, KVAR, KVA
PF
Demand: for current, kVA and kW (including max demand values)
On hrs, run hrs, interuppts, rpm, old values
Current
Voltage
Neutral current
THD V&I
Reversal of phase
Reversal of current
Phase absence indication

Lm42 ⁽¹⁾ Single Source meter
KWh, KVARh, KVAh,
KW, KVAR, KVA
4 quadrant import export
PF
Demand: for current, kVA and kW (including max demand values)
On hrs, run hrs, interuppts, rpm, old values
Current
THD V&I
Voltage
Neutral current

(1) Except kWH rest all parameters is possible to observe via RS485.

References

		MULTIS Lm35	MULTIS Lm42
Auxiliary supply	Frequency	Reference	Reference
60300 VAC/DC	45 65 Hz	192J 9114	192J 9113

