Amik 200 /201

Input Voltage	
Nominal input voltage (AC RMS)	Phase – Neutral 290V L-N , Line-Line 500V L-L
Max continuous input voltage	120% of rated value
Nominal input voltage burden	< 0.3 VA approx. per phase (For external auxiliary meter)
System PT secondary values	100VLL to 500VLL programmat on site.
System PT primary values	100VLL to 692kVLL programmable on site.
Input Current	
Nominal input current	5A / 1A AC RMS
System CT secondary values	1A & 5A programmable on site
System CT primary values	From 1A up to 9999A (for 1 or 5 Amp)
Max continuous input current	120% of rated value
Nominal input current burden	< 0.2 VA approx. per phase
Auxiliary Supply	
External Aux	40 V - 300V AC-DC (± 5 %)
Self powered **	input voltage range from 80% to 100% of Rated value. (Self powered meter is available only in 3Phase 4 Wire and Single Phase network.) Auxiliar input is derived from Phase 1 (R phase)
Frequency range	45 to 65 Hz
VA burden	< 4 VA Approx.
Overload Withstand	
Voltage	2 x rated value for 1 second, repeated 10 times at 10 second intervals
Current	20x rated value for 1 second,

Operating Measuring Ranges		
Voltage Range With External Aux	10 120% of rated value	
Voltage Range With Self Power	80 120% of rated value	
Current Range	10 120% of rated value	
Frequency	4565 Hz.	
Power Factor	0.5 Lead 1 0.5 Lag.	

Fechnical Specifications		
Influence of Variations		
Temperature coefficient	0.025%/°C for Voltage 0.05%/°C for Current	
Display update rate	1	
Response time to step input	1 sec approx.	
Applicable Standard	S	
EMC	IEC 61326-1: 2005	
Safety	IEC 61010-1-2001 , Permanently connected use	
IP for water & dust	IEC60529	
Safety	1	
Pollution degree	2	
Installation category	Ш	
High Voltage Test	4.7 kV DC, for 1 minute between Aux. and measuring inputs	
Environmental		
Operating temperature	-20 to +70°C	
Storage temperature	-30 to +80°C	
Relative humidity	0 to 95% non condensing	
Warm up time	Minimum 3 minute	
Shock	15g in 3 planes	
Vibration	10 55 Hz, 0.15mm amplitude	
Enclosure		
Front	IP 50	
Back	IP 20	
Dimensions and We	ights	
Bezel size	96 mm x 96 mm DIN 43 718.	
Panel cut-out	92 +0.8 mm x 92 + 0.8 mm.	
Overall depth	55 mm.(without output option)	
Panel Thickness	1 - 3 mm for self clicking, 1 – 6 mm for swivel screws.	
Weight	320 gm. Approx.(with output option)	

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Technical Specifications

Reference conditions for Accuracy	
Reference temperature	23°C +/- 2°C
Input waveform	Sinusoidal (distortion factor 0.005)
Input frequency	50 or 60 Hz ±2%
Auxiliary supply voltage	Rated Value ±1%
Auxiliary supply frequency	Rated Value ±1%
Voltage Range	20 100% of Nominal Value.
Current Range	10 100% of Nominal Value.
Power	Cos phi / sin phi = 1 for Active /
	Reactive Power & Energy.
	10 100% of Nominal Current &
	20 100% of Nominal Voltage.
Power Factor / Phase Angle	40 100% of Nominal Current &
	20 100% of Nominal Voltage.
Accuracy	
Voltage	± 1% of Nominal Value.
Current	± 1% of Nominal Value.
Frequency	0.5% of mid frequency
Active Power	± 1% of Nominal Value.
Re-Active Power	± 1% of Nominal Value.
Apparent Power	± 1% of Nominal Value.
Active Energy	± 1%
Reactive Energy	± 1%
Apparent Energy	± 1%
Power Factor	2% of Unity

Measurement error is normally much less than error specified above. Variation due to influence quantity is less than twice the error allowed for reference condition.