

Application

Amik 200/ 201 Measures important electrical parameters in 3 phase 4 Wire and 3 phase 3 Wire Network & replaces the multiple analog panel meters. It measures electrical parameters like AC Voltage, AC Current, Frequency, Active, Reactive, Apparent Power, Import Export Energy & many more.

Product Features

On site programmable PT / CT ratios	It is possible to program primary of external potential Transformer (PT), primary of external Current Transformer (CT) on site via front panel keys by entering into Programming mode.	Optional Pulse Output / Limit switch (Relay output)	Not Available
User selectable CT Secondary 5A /1A	The secondary of external Current Transformer (CT) can be programmed on site to either 5A or 1A using front panel keys.	Pulse Output	Not Available
User selectable PT Secondary	The secondary of external Potential Transformer (PT) can be programmed on site from 100VLL to 500VLL using front panel keys. User can set the display in auto scrolling mode or fixed screen mode using front panel keys.	Limit Switch	Not Available
Low back depth	The instrument has very low back depth (behind the panel) of less than 55 mm (Without output option).	Optional MODBUS (RS485) Output	The optional Modbus output enables the instrument to transmit all the measured parameters over standard MODBUS (RS-485).
Four function keys	Using the four function key, it is possible to go desired parameter screen instantly..	Configuration of Instrument via MODBUS	The instrument setting can be configured locally via front panel keys by entering into the programming mode or remotely via MODBUS RS-485 Note: The MODBUS communication parameters can only be set locally via front panel keys in programming mode.
Demand Measurement	Measures & Displays Current Demand, kVA Demand, kW Import Demand, kW Export Demand. Any of the parameters can be assigned to optional Limit switch.	Storage of parameters possible	The instrument stores minimum and maximum values for System Voltage, System Current, Run Hour, ON Hour & number of Interrupts. Every 60 sec stored values are updated.
3 line 4 digits LED display	Simultaneous display of 3 Parameters.	Enclosure Protection for dust and water	Conforms to IP 50 (for front face) & IP 20 (for back) IEC60529.
RPM Measurement	The instrument display Rotation per minutes for generator applications. Number of poles can be set on site depending upon application requirement.	EMC Compatibility	Compliance to International standard IEC 61326.
Energy Count Storage	In case of power failure, the instrument memorizes the last energy count. Every 1 min, the instrument updates the energy counter in the non-volatile memory.	Interference Emission	IEC 61326-1 : 2005, Class A
User selectable 3 phase 3 Wire or 4Wire or Single phase Network	User can program on site the network connection as either 3 Phase 3 Wire or 4 Wire or single phase network using front panel keys. In case of self powered configuration either 3 Phase 4 wire or single phase network is available.	Interference Immunity	IEC 61326-1 : 2005
Onsite selection of Auto scroll / Fixed Screen	User can set the display in auto scrolling mode or fixed screen mode using front panel keys.	Electrostatic discharge contact /air. (ESD)	IEC 61000-4-2 -- 4kV/8kV
		EM Field	IEC 61000-4-3 -- 10 V/m (80 MHz to 1 GHz) - 3 V/m (1.4 GHz to 2 GHz) -- 1 V/m (2 GHz to 2.7 GHz)

Product Features

True RMS measurement	The instrument measures distorted wave form up to 15th Harmonic.	Burst	IEC 61000-4-4 -- 2 kV (5/50 ns, 5 kHz)
Energy Measurement (Import & Export)	Active Energy (kWh), Reactive Energy (kVArh), Apparent Energy (kVAh). Any of the parameters can be assigned to optional Pulse output.	Surge	IEC 61000-4-5 -- 1 kVLL / 2 kVLN.
Programmable Energy format & Energy rollover count	Customer can assign the format for energy display on MODBUS (RS-485) in terms of W, kW or MW. Additional to this, customer can also set a rollover count from 7 to 14 digits depending on the energy format, after which the energy will roll back to zero.	Conducted RF	IEC 61000-4-5 -- 3 V (150 kHz to 80 MHz)
		Rated Power Frequency magnetic Field	IEC 61000-4-8 -- 30 A/m
		Voltage dip	IEC 61000-4-11 -- 0% during 1 cycle. -- 40% during 10/12 cycles. -- 70% during 25/30 cycles.
		Short interruptions cycles.	IEC 61000-4-11 -- 0% during 25/30 cycles. 25 cycles for 50 Hz test. 30 cycles for 60 Hz test.