

## Application

**Amik 100** 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, & many more.

## Product Features

<b>On site programmable PT/CT ratios</b>	It is possible to program primary of the external potential Transformer (PT), primary of external Current Transformer (CT) on site via front panel keys by entering into Programming mode.	<b>Onsite selection of Auto scroll / Fixed Screen</b>	User can set the display in auto scrolling mode or fixed screen mode using front panel keys.
<b>User selectable CT Secondary 5A / 1A</b>	The secondary of external Current Transformer (CT) can be programmed on site to either 5A or 1A using front panel keys.	<b>Low back depth</b>	The instrument has very low back depth (behind the panel) of less than 55mm (without output options).
<b>User selectable PT Secondary</b>	The secondary of external Potential Transformer (PT) can be programmed on site from 100VLL to 500VLL using front panel keys.	<b>True RMS measurement</b>	The instrument measures distorted waveform up to 15th Harmonic.
<b>User selectable 3 phase 3Wire 4Wire or Single phase Network</b>	User can program on site the network connection as either 3 Phase 3 Wire/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 are available.	<b>EMC Compatibility</b>	Compliance to International standard IEC 61326. Interference Emission IEC 61326-1 : 2005, Class, A Interference Immunity IEC 61326-1 : 2005 Electrostatic discharge IEC 61000-4-2 -- 4kV/8kV contact/air. (ESD)
<b>RPM Measurement</b>	The instrument display Rotation per minutes for generator applications. Number of poles can be set on site depending upon application requirement.	<b>EM Field</b>	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)
<b>Limit switch (Relay)</b>	The instrument will trip the relay if the programmed parameter exceeds the programmed Trip Limits.	<b>Burst</b>	IEC 61000-4-4 -- 2 kV (5/50 ns, 5 kHz)
<b>3 line 4 digits LED display</b>	Simultaneous display of 3 Parameters.	<b>Surge</b>	IEC 61000-4-5 -- 1 kVLL / 2 kVLN.
<b>Enclosure Protection for dust and water</b>	Conforms to IP 50 (for front face) or IP 65 option (for front with seal) & IP 20 (for back) & as per IEC60529.	<b>Conducted RF</b>	IEC 61000-4-5 -- 3 V (150 kHz to 80 MHz)
<b>Storage of parameters possible</b>	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.	<b>Rated Power Frequency magnetic Field</b>	IEC 61000-4-8 -- 30 A/m
<b>Four function keys</b>	Using the four function key, it is possible to go desired parameter screen instantly.	<b>Voltage dip</b>	IEC 61000-4-1 40% during 10/12 cycles. 70% during 25/30 cycles.
		<b>Short interruptions</b>	IEC 61000-4-11 0% during 25/30 cycles. 25 cycles for 50 Hz test. 30 cycles for 60 Hz test.