



EM214

Residential Three Phase Electricity Meter With Internal Tariff Control | Type 900

The Itron EM 214 type 900 meter with internal tariff control is a new generation compact meter, offering full compatibility with existing metering panels and equipped with enhanced features for the modern utility environment including comfort of installation, meter reading and event detection.

COMPATIBILITY

The EM214 is fully compatible with the requirements and connectivity of traditional metering panels with additional new features and outstanding metrological performances:

- » DIN terminal configuration
- » Energy recording up to 6 tariffs
- » OBIS code on display
- » Large backlit display
- » Display available without mains power
- » Optical port
- » Comfort of installation: instantaneous current, voltage and power
- » Test mode

MODULARITY

The EM214 can be tailored to the exact needs of the installation.

A variety of functions and interfaces are available and can be easily integrated to meet market requirements:

- » External tariff control
- » Pulse outputs
- » One way serial data output (DBO)
- » Remote reading and parameter setting vis RS485 and external modem
- » Instantaneous power on LCD
- » Optional reactive energy

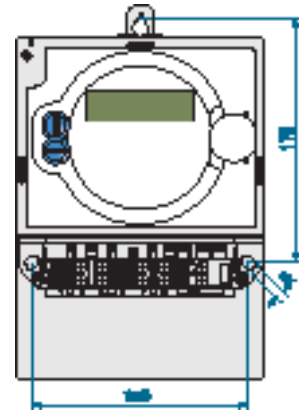
KEY BENEFITS

- » Easy to install and test
- » Easy to read
- » High level of protection against harsh environments
- » Wide range of operating voltage, suitable to serve long LV lines
- » Low starting current to detect energy flow of low consumption devices
- » Strong anti-fraud features
- » Meter cover sealed for life
- » Optional terminal cover and main cover open detection
- » Log book of past events
- » Full immunity against strong permanent magnets

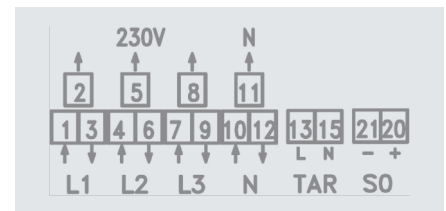
Technical Specifications

Meter type	Static, polyphase watt-hour meter
Network	3-phase 4 wire , 3-phase 3 wire
Measuring scope	Active energy (both import and export) Reactive energy as an option
Tariffs	Up to 6 rates
Reference voltage	3 X 230/400 V, 50 Hz or 60 Hz
Current rating	5 (100) A
Starting current	Below 10mA
Temperature range	-40°C / +70°C (LCD -25°C / + 70°C)
Storage temperature	-40°C / + 85°C
IP protection	IP54
Environment class	M2 / E2
Fast transient burst	4kV
Impulse voltage resistance	12kV
Surge immunity	6kV
Accuracy Class	A or B for active energy Class 1 or 2 for active energy Class 2 or 3 for reactive energy
Accuracy of voltage and current measurement	Better than 1%

Dimensions



Terminal block wiring



Our company is the world's leading provider of smart metering, data collection and utility software systems, with over 8,000 utilities worldwide relying on our technology to optimize the delivery and use of energy and water.

To realize your smarter energy and water future, start here: www.itron.com

For more information, contact your local sales representative or agency:

ITRON

Tancsics M. u. 11.
P.O.B. 396
H-2101 Gödöllő
Hungary