



Model EM5300

The Meter With More



EM5300 Electricity Meter

Flexibility of application

The EM5300 meter simplifies meter asset management & reduces your inventory requirements by allowing one meter to be installed in the 6 most common CT metering applications. The EM5300 will become the essential meter in your energy management package offering features including:

- Software selectable for 3P3W or 3P4W applications
- Wide 1-10 Amp current range for both TACT & 5ACT installations (5-20 Amp version available)
- Extended voltage range of 46-288P-N, 80-500P-P

Advanced energy analysis & management

The advanced measurement & analysis capabilities of the EM5300 deliver crucial decision making tools to your energy management team. With a broad range of energy measurement features, the EM5300 meter contributes to more efficient energy management by providing:

- Comprehensive measuring quantities including kWh, kvarh, & kVAh (import/export/per phase/per quadrant) plus pulse inputs selectable in 8 energy & 4 demand (up to 8 rate ToU) registers
- Up to 12 load profile channels (2 separately secure groups of 6 channels) with interval length & memory allocation user selectable per channel
- Quality of Supply registers for voltage, current, power factor, total harmonic distortion, neutral current & frequency
- Primary rating capable for CT/VT ratios & correction factors
- Programmable load control (by quantity, threshold or ToU) for external equipment energy management

Cost Effective Communications Options

The EM5300 meter guarantees cost effective monitoring & precise control of meter installations by utilizing advanced data compression protocols and remote communications technology to deliver functionality including:

- Large easy to read backlit LCD display (LCD is readable during power outage - optional)
- Programmable display screen plus 2 alternate screens for over 2,000 selectable display items
- Optical, RS232 & RS485 (optional) communication ports with modem interfaces including GSM and CDMA
- Daily power cycle for resetting communications devices
- EMpro HHU, EMPWin and Itron compatibility

Advanced Design for Performance & Longevity

A breakthrough in user-friendly energy metering & demonstrating remarkable durability under harsh conditions, the EM5300 meter meets or exceeds all international design requirements. The EM5300 is a reliable investment in advanced 3 phase metering & incorporates significant design features including:

- Lower installation costs by maintaining the Landis+Gyr footprint (SDM, Q3,Q4)
- Convenient 3 position top mounting bracket & carry handle
- Reliable security with all data saved into non volatile memory & three levels of encrypted password protection plus lockout function
- 10kV lightning withstand, IP53 enclosure rating & EMC conformance to all IEC requirements



EM5300 Specifications*

Mass

1.8kg

Current

In = 1 Amps I_{max} = 10 Amps
 Can be installed with 1A or 5A CT
 In - 5 Amps (max - 20 Amps)

Voltage

3x100 -1 10V, 3x57-240/100-41 5V

Configuration

3p3w or 3p4w, customer programmable

Frequency

50Hz

Operating Temperature (Ambient)

-10-C to +60°C

Humidity

0 to 95%

Rated Accuracy

Class 0.5s Wh, Class2.0 varh

Impulse Voltage

10kV withstand

Interval Data Storage

1 Channel, 30 mins, 680 days
 Maximum 1 2 Channels

I/O

Up to 8 SSR outputs
 2 Inputs
 2A LCR

Communications

ANSI or IEC optical interface, RS232 via 25D connector, optional RS485 via RJ connector
 1 200 - 38,400 baud
 MV90 compatible

Enclosure

IP53 to AS1939
 Typical mass 1 .6kg

Standards

AS1284.9 / IEC60687, ISO9001
 I EC602053-1 1
 1EC602053-22
 1EC602053-23

* Continuing product improvement is Landis+Gyr policy, specifications are subject to change without notice.

Model EM5300

The Meter With More

Product features:

1-10 Amp & 5-20 Amp CT Metering

3P3W or 3P4W in one meter

Interval data recording - up to 12 channels in 2 separately secure groups

Quality of Supply monitoring - sags + swells & harmonic analysis

Fast 38k4 baud communications and cost effective AMR options

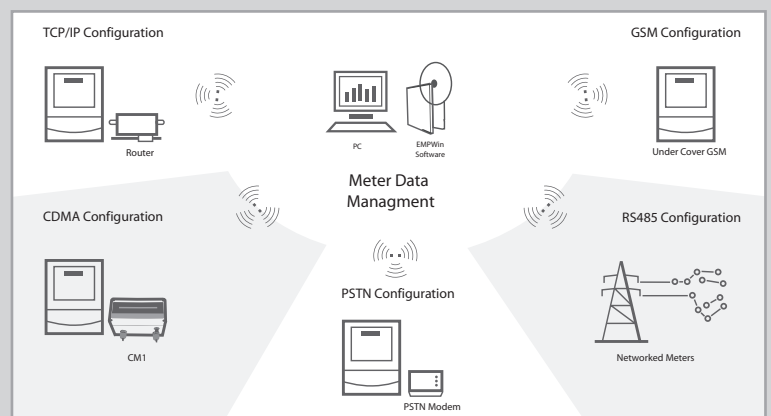
Powered RS232 with daily power cycling for external communications

Pulse inputs for gas and water meter reading

Load control for demand management applications



EM5300 Metering Solutions



Contacts:

Melbourne +61 3 8368 1600
Sydney +61 2 9690 7409
Brisbane +61 7 3265 4344
Perth +61 8 9244 3523

Customer Service Toll Free

Australia 1800 337 957

New Zealand

Auckland +64 9 579 1155

www.landisgyr.com