

CRAIGCOR
DISTRIBUTION

UTILITY METERING

Water and Electricity Meters



Landis
| Gyr+
| manage energy better

WHO IS CRAIGCOR? DISTRIBUTION



CraigCor Distribution is your trusted distributor of industrial automation, control, and instrumentation equipment, authentication solutions, and utility metering products in South Africa.



We partner with leading technology brands from around the world to provide our clients with **complete automation solutions**. With a presence in Johannesburg, Cape Town, Rustenburg, and Windhoek, we've served industries for over 25 years, building a reputation for excellence.



Product offering

Having partnered with a number of renowned manufacturers we are able to provide our clients with a single point of contact for all their industrial automation, control and electrical equipment.

Product knowledge

Our highly knowledgeable sales & support teams are constantly challenged to broaden their expertise and this is further supported by an environment that fosters continuous improvement.

Service and Support

With our in-house Field Service Division we offer unparalleled support services, optimising the up-time and efficiency of our clients' operations by implementing a range of pre-emptive, planned and reactive maintenance services.

Stockholding

Being able to access equipment timeously is essential for our clients. For this reason, we hold a comprehensive range of products and continually invest in the expansion of our inventory.

REAL-TIME. EASY TO USE. SECURE.

THE CRAIGCOR CUSTOMER HUB PROVIDES CUSTOMERS WITH 24 – HOUR SECURE ACCESS TO THE INFORMATION THEY NEED IN AN EASY-TO-USE ONLINE PORTAL THAT PROVIDES REAL-TIME CONNECTION TO OUR BUSINESS SYSTEMS.



CORE FEATURES

TRACK OPEN ORDERS

Full visibility of your open orders with details of part shipments and expected delivery dates of outstanding items.

VIEW ORDER HISTORY

Full history of all orders placed on us with invoice and shipping details. Soon to include downloadable proof of deliveries.

TRACK PRODUCT SERIAL NUMBERS

See all item history including manufacturer serial numbers and shipping dates, perfect for checking whether purchased products are still in warranty periods.

CREATE YOUR OWN QUOTES

Enables customers to complete budgetary and real-time quotes.

CHECK STOCK

Live connection to all our warehouse, detailing current stock levels and estimated replenishment lead times. Please note that this is naturally subject to prior sale.

TRACK DELIVERIES

Up-to-the-second updates of shipping progress once orders have left our warehouses.

PRICE LIST DOWNLOAD

Under certain conditions and permissions, CSV price-lists can be downloaded.

ALWAYS UP TO DATE

The Customer Hub is connected directly to our business systems and data is requested in real time so all information is always up to date.

SECURE

Customer data security is important to us, as such access to the Customer Hub is tightly managed and data is transferred through encrypted connections.

ASSIGNABLE FUNCTION-BASED PERMISSIONS

Customer administrators can determine access for users by required function.

OMNICHANNEL SUPPORT

We have assigned our Customer Care Team to assist with any queries customers have on the system. They can be contacted by phone, email, WhatsApp or through online chat.

WATER METERING

CRAIGCOR
DISTRIBUTION

Honeywell Elster Water Metering is a world leader in providing innovative water metering solutions, including low flow and leakage detection applications.

Honeywell Elster Water Metering manufactures water meters for utility, commercial, and domestic use and offers a complete water metering portfolio including solutions for revenue metering, cost allocation, network monitoring, distribution, radio reading, smart metering systems and industrial applications.

CraigCor Distribution is a proud distributor for the Honeywell Elster portfolio of products.





BULK WATER METERS

Woltmann WP Meter

Designed for measuring bulk flows of cold potable water. Suitable for water temperatures up to 50°C and has a maximum working pressure of 1600 kPa. Available in sizes from 40mm to 300mm, for flow rates of between 0.35m³/h and 2000m³/h.



Specifications

Performance to ISO4064, BS5728 Class B

Woltmann WP Meter Performance (forward flow)

Meter Size (mm)			40	50	80	100	150	200	250	300
Overload Flow	qs ± 2%	m³/h	90	90	200	260	600	1000	1600	2000
Permanent Flow	qp ± 2%	m³/h	50	50	120	180	450	700	1000	1500
Transitional Flow	qt ± 2%	m³/h	1	1	2	2	4	6	11	15
Minimum Flow Horizontal	qmin ± 5%	m³/h	0.35	0.35	0.5	0.6	1.8	4	6	12
Minimum Flow Vertical	qmin ± 5%	m³/h	0.45	0.45	1.2	1.2	4.5	7.5	12	18
Starting Flow Approx.		m³/h	0.15	0.16	0.22	0.25	0.9	1.2	1.8	1.8
Headloss at Overload Flow		kPa	84	49	27	43	33	32	37	58
Max. Registration		Millions of m³	1	1	0.21	2	10	10	10	10

General

- Woltmann WP Water Meter of the inferential type with interchangeable mechanism fitted with a magnetic coupling drive and straight-reading, registering in m³.
- The meter is counter sealed to IP68 with built-in capability of generating inductive pulse signals.
- The meter is supplied with a pressure tapping as standard.
- Body flanges are dual drilled to BS10 Table D and BS4504 Table 16 specifications from sizes 40mm to 150mm or a choice of either BS10 Table D or SABS1123 Table 16 specifications from sizes 200mm to 300mm.
- Optional: Multi Pulse Bi-directional Inductive pulse generator for generation of pulses.
- Suitable for forward and reverse flow metering.
- ISO 4064 Class B specification for forward flow installations in the horizontal, vertical and inclined position.
- ISO 4064 Class B specification for the reverse flow for sizes up to 150mm.



INDUCTIVE PULSER

This inductive pulser is an open collector pulse transmitter suitable for data logging, AMR and telemetry equipment.

Highly robust solid state pulsers form the bases of an ultra-reliable AMR system. Combining the inductive technology of this pulser with any IOT or Telemetry system generates one of the industry’s most advanced and reliable AMR/AMI installations.

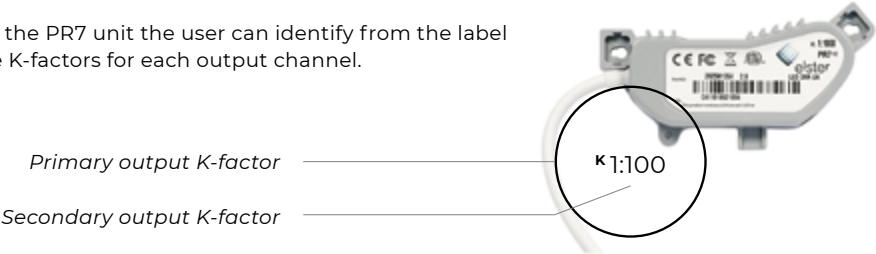
Suitable for both Walk-by and Fixed Networks, the pulser meets the AMR needs of today’s progressive Water Utility. These pulsers have outputs designed for every need. Each pulser has both primary and secondary output.

Pulse Connectivity

Pulse Weight is calculated by multiplying the register ‘pulse factor’ (P) by this pulser’s ‘K-factor’ (K) Pulse weight (litres per pulse) = P x K.

Inductive Pulser					
Size (mm)	Pulse Factor	K-Factor			
		K1 (ltrs)	K10 (ltrs)	K100 (ltrs)	K1000 (ltrs)
40	P:1	1	10	100	1 000
50	P:1	1	10	100	1 000
65	P:1	1	10	100	1 000
80	P:1	1	10	100	1 000
100	P:1	1	10	100	1 000
125	P:1	1	10	100	1 000
150	P:10	10	100	1 000	10 000
200	P:10	10	100	1 000	10 000
250	P:10	10	100	1 000	10 000
300	P:10	10	100	1 000	10 000

On the PR7 unit the user can identify from the label the K-factors for each output channel.





COMBINATION METER

Designed for bulk flow applications where large variations in flow occur. Full or medium flow through the primary Woltmann type metering chamber gives high metering accuracy, achieving Class B approval. At lower flow rates, the secondary volumetric meter achieves optimum accuracy, reflected by its Class C approval. Available in sizes from 50mm to 150mm, with flow rates from 15 l/h to 600m³/h.

Specifications

Performance to ISO4064, BS4505 Class B

Combination Meter Performance				
Meter Size (mm)	50	80	100	150
Meter Picture				
Main Meter (mechanism)	Woltmann WP Meter			
By-pass Meter (insert)	Volumetric Meter (20mm)			Volumetric Meter (30mm)
Overall Length (mm)	300	350	350	500
Performance (m ³ /h)				
q _{max} comb. ± 2% acc.	50	200	250	312.5
q _p comb. ± 2% acc.	25	120	180	250
q _p by-pass meter ± 2% acc.	2.5	2.5	2.5	
q _t comb. ± 2% acc.	0.0375	0.0375	0.0375	0.1
q _{min} comb. ± 5% acc.	0.02	0.02	0.02	0.0625
ISO4064 q _{max} . ± 2% acc.	30	80	120	
Flow at 0.6 Bar Headloss	31	112	120	310
Flow at 1.0 Bar Headloss	40	145	155	
Turndown Ratio	3.333	13.333	16.667	
Change Over Valve (m ³ /h)				
Opening Flow Rate	1.8	2.2	2.4	7.2
Closing Flow Rate	1.2	1.2	1.4	4.6

General

- Compact, in-line combination meter (50mm-100mm) consisting of Woltmann Helical Vane inferential type water meter.
- Fitted with an integral non-return, pre-calibrated change over valve and an integral volumetric class C by-pass meter.
- Suitable for vertical, horizontal or inclined installation without loss of accuracy.
- For logging purposes, there is a pressure tapping on the Woltmann WP Meter and a pulse output on both the Woltmann WP Meter and Volumetric by-pass meter as standard.
- IP68 sealed copper can, glass lens counter.
- Flanges dual drilled to suit BS10 Table D or BS4505 Table 16, SANS 1123.



DOMESTIC WATER METERS

Brass Bodied Semi-Positive Rotary Piston Type Meter

This volumetric meter is available in sizes from 15mm to 25mm, with flow rates of between 7.5 l/h and 20 m³/h. Performance to ISO 4064 Class C or D. Suitable to a maximum working temperature of 50°C. Maximum working pressure of 1600 kPa.

Tamperproof, Accuracy, Easy to read and Long-life are the main advantages of this meter.

Domestic Water Meters Brass Bodied Semi-Positive Rotary Piston Type Meter.

Specifications

Performance to ISO 4064, SANS 1529-1: 2006 Class C

Brass Bodied Semi-Positive Rotary Piston Type Meter Performance					
Meter Size (mm)			15	20	25
Overload Flow	qs ± 2%	m³/h	3	5	7
Permanent Flow	qp ± 2%	m³/h	1.5	2.5	3.5
Transitional Flow	qt ± 2%	l/h	22.5	37.5	52.5
Minimum Flow	qmin ± 5%	l/h	15	25	35
Output Pulse		l/pulse	0.5	0.5	5
Starting Flow Approx.		l/h	5.7	9.5	13.2
Meter Diameter		mm	86	86	104
Meter Length		mm	114 and 165	165	198
Length over Connectors		mm	194 or 245	259	311
Weight-Meter only Approx.		kg	0.8	1.3	2.9

General

- All meters need to be NRCS approved.
- It has a built-in mesh strainer.
- Revolutionary grooved piston for improved durability and performance.
- Fitted with a straight-reading counter and fixed 1 pulse per 0.5 lt output facility registering in m³.
- Approved under the Trade Metrology Act and Regulations and to SANS 1529-1: 2006 and ISO 4064 Class C specifications.





DOMESTIC WATER METER

Polymer Bodied Semi-Positive Rotary Piston Type Meter

This volumetric meter has a co-polymer resin manufactured body which allows its use with absolute confidence where water with aggressive or dezincification properties exist. Available in sizes from 15mm to 25mm, with flow rates of between 15 l/h and 7 m³/h. Suitable for water temperatures up to 50°C and a maximum working pressure of 1600 kPa. Optimum accuracy and performance at all times, in any position.



Specifications

Performance Class C to SANS 1529-1: 2006

Polymer Bodied Semi-Positive Rotary Piston Type Meter Performance

Meter Size (mm)			15	20	20	25
Accuracy Test			Class C	Class D	Class C	Class C
Overload Flow	qs ±2%	m ³ /h	3	5	5	7
Permanent Flow	qp ±2%	m ³ /h	1.5	2.5	2.5	3.5
Transitional Flow	qt ±2%	m ³ /h	22.5	28.75	37.5	52.5
Minimum Flow	qmin ±5%	l/h	15	18.75	25	35
Starting Flow Approx.		l/h	5.7	9.5	9.5	13.2
Output Pulse		l/pulse	0.5	0.5	0.5	5
Meter Diameter		mm	86	86	86	104
Meter Length		mm	114 and 165	165	165	198
Weight- Meter only Approx.		kg	0.4	0.42	0.42	0.66

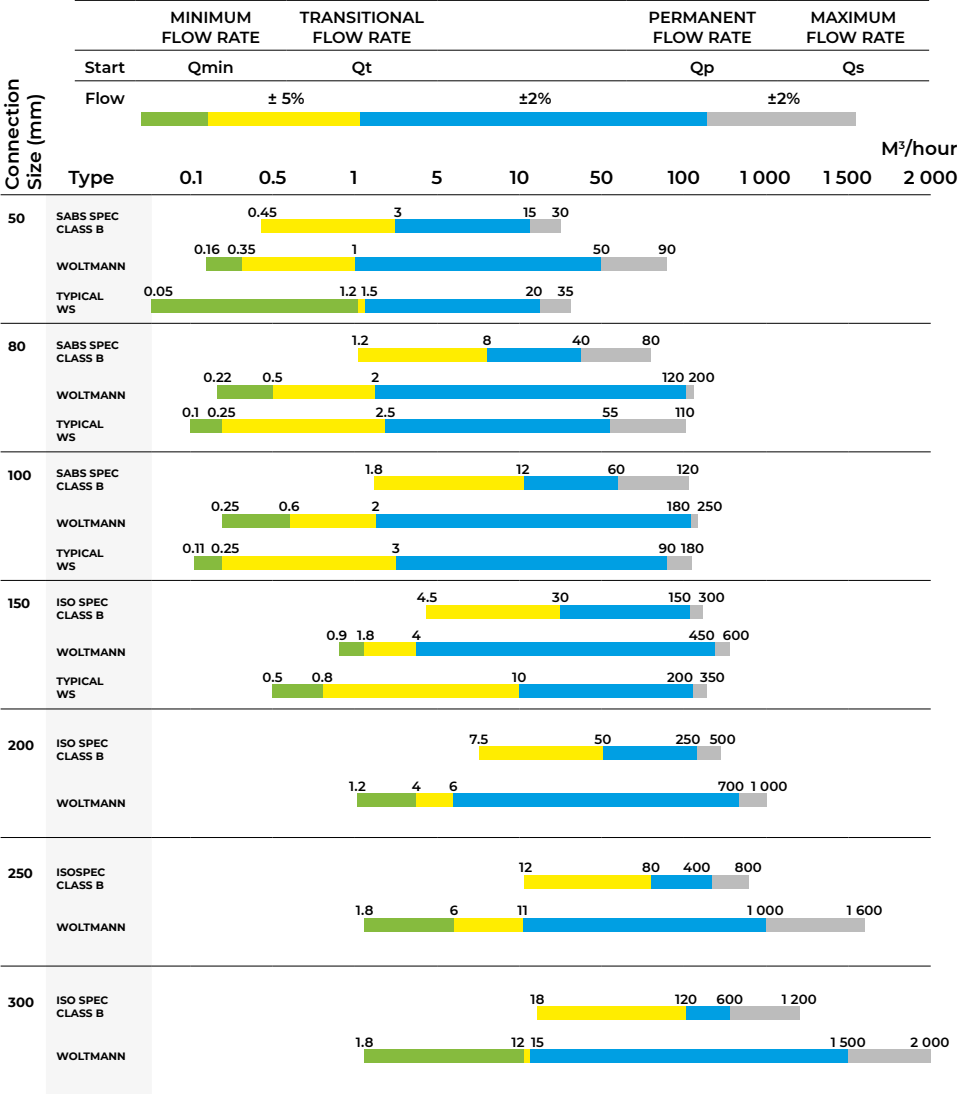
General

- Polymer water meter of the semi-positive rotary piston volumetric type with non-return valve.
- Fitted with a straight-reading counter and fixed pulse per litre output facility registering in m³.
- Approved under the Trade Metrology Act and Regulations and to SANS 1529-1: 2006 Class C specifications.
- The 20mm (114) is approved to Class D accuracy (Only available on request).



PERFORMANCE SELECTION CHARTS

BULK WATER METER PERFORMANCE SELECTION CHART



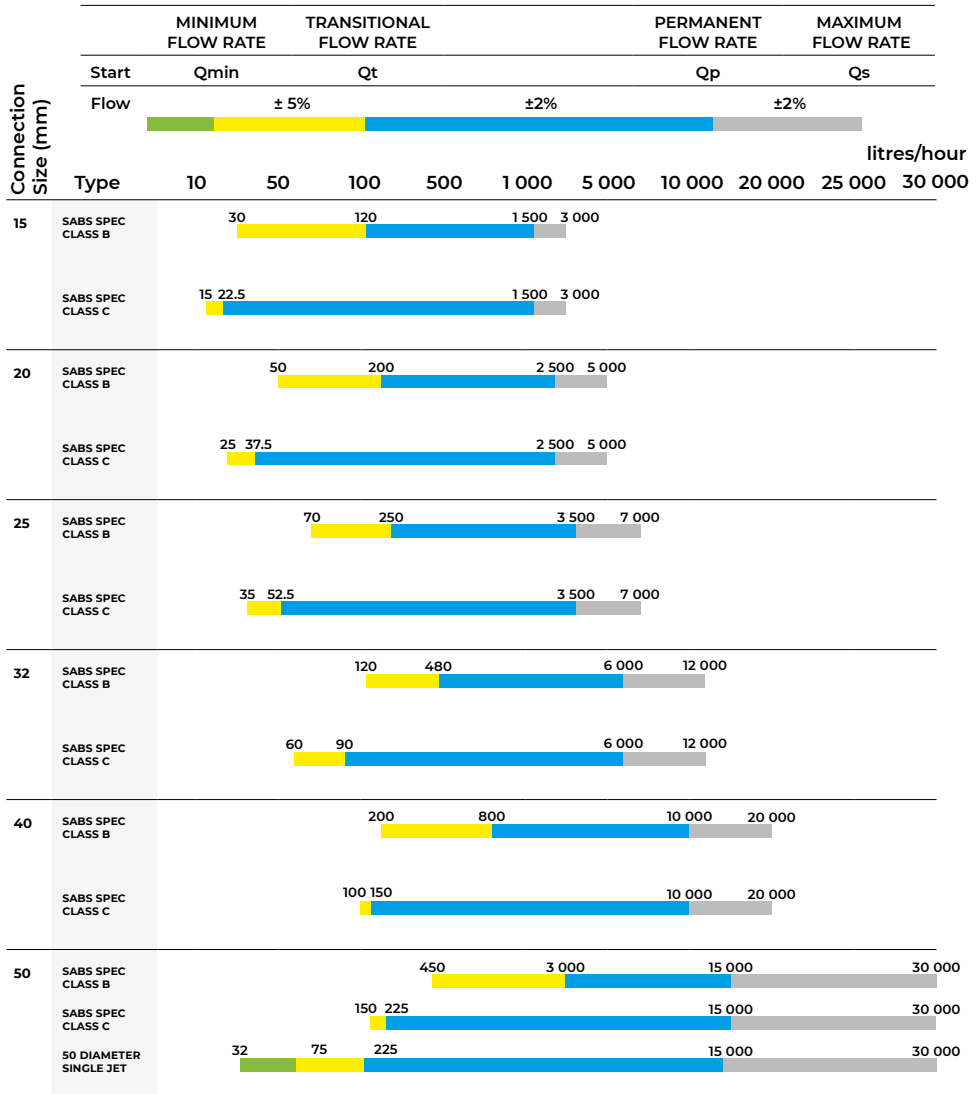
For Dia. 50mm Optima see domestic chart

In terms of the SABS Spec, Qp is always 0.5 of Qs. Manufacturers however, are free to quote different values for Qp if same is better than spec.



PERFORMANCE SELECTION CHARTS

DOMESTIC WATER METER PERFORMANCE SELECTION CHART



In terms of the SABS Spec, Qp is always 0.5 of Qs. Manufacturers however, are free to quote different values for Qp if same is better than spec.



ABOVE GROUND METERBOXES

Polymer Above Ground Meterboxes

All meter types are semi-positive rotary piston Class C water meters. Suitable for all 15, 20 and 25mm body length meters (Volumetric). 25mm Internal piping. Municipal 3-way polymer ball valve (open, closed, or trickle) with optional lock shield. Consumer 2-way polymer ball valve.

Renowned locking mechanism - making it almost tamperproof.

Specifications

Performance Class to SANS 1529-1: 2006

Polymer Above Ground Meterboxes	Pillar (3 Types)	Wall-Mounted	EZ3
			
Types	Standard Standard Lite Standard Lite Extended Lid		
Size Class C/D (mm)	15, 20 and/or 25	15 or 20	15 or 20
Features	Tamperproof Dual key operated locking mechanism for removal of cover for maintenance.	Sliding couplings connect the inlet and outlet of the meter and allow replacement.	Sliding couplings connect the inlet and outlet of the meter and allow replacement.
Options	Can be upgraded to: Fixed water dispenser, Pre-paid and AMR/AMI.		
Connection	Ø20mm (3/4") BSP female Polymer threaded connections.	Ø20mm (3/4") BSP female Brass threaded connections.	Ø20mm (3/4") Nylon reinforced female threads.

General

- SABS approved ball valve with external handle fitted downstream of the meter.
- Each water meter is verified in a SANAS 0259 accredited laboratory.
- Closed cover with security clips.
- Volumetric semi-positive displacement 15, 20 and 25mm Polymer Bodied water meter complete with non-return valve and pulse output (1 pulse per 0.5 litres).



SURFACE METERBOXES

Polymer Surface Meterboxes

There are different polymer meter boxes to house 15, 20 and 25mm water meters. All have a patented locking mechanism with a special key. Unique couplings, designed to slide back facilitating meter replacement and maintenance. This is the most cost effective meter – UV resistant, lockable and sturdy. Brass can also be fitted. Municipal 3-way polymer ball valve (open, closed or trickle). Consumer 2-way polymer ball valve.

Specifications

Performance Class C to SANS 1529-1: 2006

Type	Standard Polymer Meterbox	Standard RDP4 Contractors Meterbox	Large Polymer Meterbox
			
Length (mm)	114 or 165	114	114 to 198
Meter Size Class C (mm)	15 or 20	15 or 20	15, 20 and 25
Meter Type	Polymer or Brass wet dial volumetric meter with pulse output and non-return valve.	Polymer or Brass wet dial volumetric meter with pulse output and non-return valve.	Polymer or Brass wet dial volumetric meter with pulse output and non-return valve.

General

- For 15mm Domestic installations, there is the Contractors meterbox for 114mm long Polymer meters. For Polymer or Brass meters 165mm long, there is the Standard meterbox.
- Base Plate and Polymer 20mm BSP Thread. All have a mass of 2.2kg with the meter.
- Class C meters are fitted in all sizes of meterboxes.
- Approved pulse output and non-return valve on all polymer and brass meters.
- All can be upgraded to AMR (Automatic Meter Reading).
- Lock shield cover to fit over the 3-way ballcock to prevent tampering when water supply has been shut off or restricted due to non-payment.



PILLAR METERBOX TYPES

Pillar Meterboxes

These are Class C or Class D polymer semi-positive rotary piston meters.

Renowned locking mechanism- making it almost tamperproof.

Specifications

Performance Class C to SANS 1529-1: 2006

Differences	Standard	Standard Lite	Standard Lite Extended lid
			
Shape	Concave	Convex	Convex
Height (mm)	710	710	800 (280 wide,100 deep)
Length (mm)	15, 20 and 25	15 and 20	15 and 20
Optional Extra	Can be upgraded to: Fixed water dispenser, Pre-paid and AMR/AMI Fitted with flow restrictor and strainer.		
Features	Sliding cover insert allows reading of water meter reading and serial number & allow ease of maintenance / replacement. In case of pre-paid - the sliding cover insert facilitates reading of the electronic display.	Tamperproof dual key operated locking mechanism for removal of cover for maintenance.	Tamperproof dual key operated locking mechanism for removal of cover for maintenance.

General

- Ø20mm (3/4") BSP female Polymer threaded connections.
- SABS approved ball valve with external handle fitted downstream of the meter.
- Each water meter is verified in a SANAS 0259 accredited laboratory.
- Closed cover with security clips.
- Volumetric semi-positive displacement 15mm, 20mm and 25mm KSM Polymer bodied water meter complete with non-return valve and pulse output (1 pulse per 0.5 litres).



SMART IOT WATER METER READING

Smart Water Meter Reading Device

This device sends Diagnostic Data and Totaliser readings to a cloud server. It can aid controlled spending and be used on any brand as long as the meter has a pulse output. It aids in tamper and leak detection alerts.

It allows a factory set Water Factor for synchronisation of input and output pulse ratio of the water meter. It is used to detect pipe bursts, excessive use and also comes with a CIU programmer to configure the device to your own requirements.

This device complies to local content percentages.

Specifications

Performance Class C to SANS 1529-1: 2006



Smart Reading Device	
Specification	Performance
Network Radio Frequency (MHz)	868
Battery Life	Up to 10 years, with replaceable battery pack.
Battery Type	2.7Ah Lithium Thionyl Chloride (Li-SOCl ₂)
Antenna Type	Internal Helix Coil PCB antenna.
Configuration	Bi-directional Infrared Port.
Totaliser Resolution	Down to 0.001m ³ to 3 decimal places.
Totalizer Max.	9999999.9m ³ to 1 decimal place.
Rating	IP68 (Tested for submersion in water, 1 metre for 2 hours).
Operating Temp. (°C)	-10 to 55
Measurement Units	Cubic Meters (m ³) or Gallons (gal).
Dimensions (mm)	113 (Length) X 33 (Height) x 41 (Width).
Mounting	Cable Ties, Screws or Double-sided Tape.

General

- The device works with both domestic and bulk meters.
- Works in conjunction with your existing municipal meter - no need to remove the existing municipal meter.
- Please check with the meter owner if you can install this device.
- Connectivity Service Level Agreement required.



REFERENCE LIST

Reference list of product codes with their relative descriptions. For more information, contact customercare@craigcor.com.

Domestic Water Meters

Volumetric Brass Bodied Semi-Positive Rotary Piston Type Meter	
DZR brass bodied meters PSM with pulse output and NRV. Piston type meters (without connectors / tailpieces). Approved to SANS 1529-1:2003 Class 'C' Specification.	
Product Code	Description
AB890	15mm PSM 114mm Long (1 pulse per 0.5 litre)
AB891	15mm PSM 165mm Long (1 pulse per 0.5 litre)
AB892	20mm PSM 165mm Long (1 pulse per 0.5 litre)
AB893	25mm PSM 198mm Long (1 pulse per 5 litre)

Volumetric Polymer Bodied Semi-Positive Rotary Piston Type Meter	
Polymer bodied meters KSM with pulse output and NRV. Piston type meters (without connectors/tailpieces). Approved to SANS 1529-1:2003 Class 'C' Specification.	
Product Code	Description
AW810	15mm KSM 114mm Long (1 pulse per 0.5 litre)
AW811	15mm KSM 165mm Long (1 pulse per 0.5 litre)
AW815	20mm KSM 114mm Long (1 pulse per 0.5 litre)
AW812	20mm KSM 165mm Long (1 pulse per 0.5 litre)
AW813	25mm KSM 198mm Long (1 pulse per 5 litre)





REFERENCE LIST

Reference list of product codes with their relative descriptions. For more information, contact customercare@craigcor.com.

Surface Meters in Boxes

NB: All Polymer Body Meters- fitted with KSM Meters in Boxes

Product Code	Description
DW109	Std. RDP4 Contractors meterbox with 15mm Plastic KSM Meter 114mm Long & 20mm Female In/outlet
DW408	Std. Polymer meterbox with 15mm Plastic KSM Meter 165mm Long & 20mm re-inforced Female In/outlet
DW407	Std. RDP4 Contractors meterbox with 15mm Plastic KSM Meter 114mm Long & 20mm Female In/outlet
DW410	Std. Polymer meterbox with 15mm Plastic KSM Meter 114 Long with Additional Strainer & Removable Sieve
DW209	Meterbox with 25mm Plastic KSM Meter 198mm Long and 25mm Male In/outlet
DZ120	Std. Polymer meterbox suitable to house a 15mm Plastic KSM meter 114 Long (meterbox only, excl. meter)
DZ408	Std. Polymer meterbox suitable to house a 15mm Plastic KSM or PSM meter 165 Long (meterbox only, excl. meter)
DZ407	Std. Polymer meterbox suitable to house a 20mm Plastic KSM or PSM meter 165 Long (meterbox only, excl. meter)

EZ3 & Standard Above Ground meterboxes

Product Code	Description
DW5800	EZ3 with 15mm Plastic KSM meter 114mm Long & 20mm re-inforced Female In/outlet without Consumer Valve
DW5770	EZ3 with 15mm Plastic KSM meter 114mm Long & 20mm re-inforced Female In/outlet with Consumer Valve
DW830	EZ3 with 15mm Plastic KSM meter 114mm Long & 20mm re-inforced Female In/outlet with W/T Valve
OB890	EZ3 with 15mm Plastic KSM meter 114mm Long & 20mm re-inforced Female In/outlet with electronic 200l per day Disp.
DX6770	Std. Above Ground meterbox with 15mm KSM 16mm Consumer & Municipal valve
DX6774	Std. Above Ground meterbox with 15mm KSM 114mm Consumer & Municipal valve
DX6775	Std. Above Ground meterbox with 15mm KSM 114mm Consumer & Municipal valve & W/T
DX6776	Std. Above Ground meterbox with 20mm KSM 165mm Consumer & Municipal valve
DX1000	Std. Above Ground meterbox with 25mm KSM 198mm Consumer & Municipal valve
DX7000	Std. LITE 15mm KSM 114mm Consumer & Municipal valve
DX7010	Std. LITE 20mm KSM 114mm Consumer & Municipal valve
DX7020	Std. LITE with extended lid 15mm KSM 114mm Consumer & Municipal valve
DX7030	Std. LITE with extended lid 15mm KSM 114mm Consumer & Municipal valve with Strainer



REFERENCE LIST

Surface Meters in Boxes

Wall Mounted Above Ground meterboxes

Product Code	Description
--------------	-------------

DW9440	Wall mounted Meterbox with 15mm Plastic KSM Meter 114mm Long & 20mm Brass Cap Nut In/outlet
--------	---

Meterboxes fitted with Brass Meters- PSM Brass meters in boxes

Product Code	Description
--------------	-------------

DB408	Std. Polymer Meterbox with 15mm Brass PSM Meter 165mm Long & 20mm re-inforced Female In/outlet
-------	--

DB407	Std. Polymer Meterbox with 20mm Brass PSM Meter 165mm Long & 20mm re-inforced Female In/outlet
-------	--

Bulk Water Meters

Woltmann WP Meter

Dual drilled to both BS4504 table 16 and BS10 Table D Woltmann WP type meter drilled SABS 1123 Table 16 (without flange pack).

Product Code	Description
--------------	-------------

CU250	40mm WOLTMANN WP INDUCTIVE DUAL DRILLED 300mm Long
-------	--

CU251	50mm WOLTMANN WP INDUCTIVE DUAL DRILLED 200mm Long
-------	--

CU252	80mm WOLTMANN WP INDUCTIVE DUAL DRILLED 200mm Long
-------	--

CU253	40mm WOLTMANN WP INDUCTIVE DUAL DRILLED 250mm Long
-------	--

Drilled to BS4504 table 16

LUPPG4639	150mm WOLTMANN WP INDUCTIVE DUAL DRILLED 300mm Long
-----------	---

LUPPH4639	200mm WOLTMANN WP 350mm Long
-----------	------------------------------

LUPPJ4639	250mm WOLTMANN WP 450mm Long
-----------	------------------------------

LUPPJK4639	300mm WOLTMANN WP 500mm Long
------------	------------------------------

Combination Meter In-Line Type

Dual drilled to both BS4504 Table 16 and BS10 Table D (without flange pack)

Product Code	Description
--------------	-------------

LUPPL4612	50/20mm C4000 INDUCTIVE DUAL DRILLED COMBINATION METER 300mm Long
-----------	---

LUPPN4612	80/20mm C4000 INDUCTIVE DUAL DRILLED COMBINATION METER 350mm Long
-----------	---

LUPPP4612	100/20mm C4000 INDUCTIVE DUAL DRILLED COMBINATION METER 350mm Long
-----------	--

Woltmann dual drilled combination bypass type (without Flange Pack)

LUPPQ4613	150/30mm WOLTMANN INDUCTIVE DUAL DRILLED COMBINATION METER 500mm Long
-----------	---

For more than 125 years, Landis+Gyr has been an industry leader in energy management solutions. Using our advanced metering infrastructure and other cutting-edge smart grid technologies, we've helped utility companies all over the globe improve their operations, protect their assets, lower their operating costs and provide better customer service.

With a focus on quality, reliability, and innovation Landis+Gyr's portfolio of products and services can help you do the same and modernise your smart grid for the future.

CraigCor is a proud distributor for the Landis+Gyr portfolio of products.



Landis+Gyr
manage energy better



RESIDENTIAL METERS

E460 Range: Smart Prepayment Meter Solution

The E460 smart prepayment meter solution is fully functional and offers maximum flexibility. Specifically designed to work with open standards for prepayment, smart metering, and communications, it provides a future-proof solution that protects your metering investment. Renowned locking mechanism- making it almost tamperproof.

Specs & Functions	E460 DIN	E460 BS	E460 3P
			
Current rating(max)	80	100	100
Network type	15 or 20	15 or 20	15 or 25
Support a local keypad	✓	✓	✓
Open international standards: DLMS/COSEM communication protocol	✓	✓	✓
Communication Protocol: G3-PLC	✓	✓	✓
Tamper-sensing: Global tamper and zero power tamper	✓	✓	✓
Meter operational mode: post-payment or prepayment.	✓	✓	✓
Electrical interface: RS485 port	✗	✓	✓
Optical port	✓	✓	✓

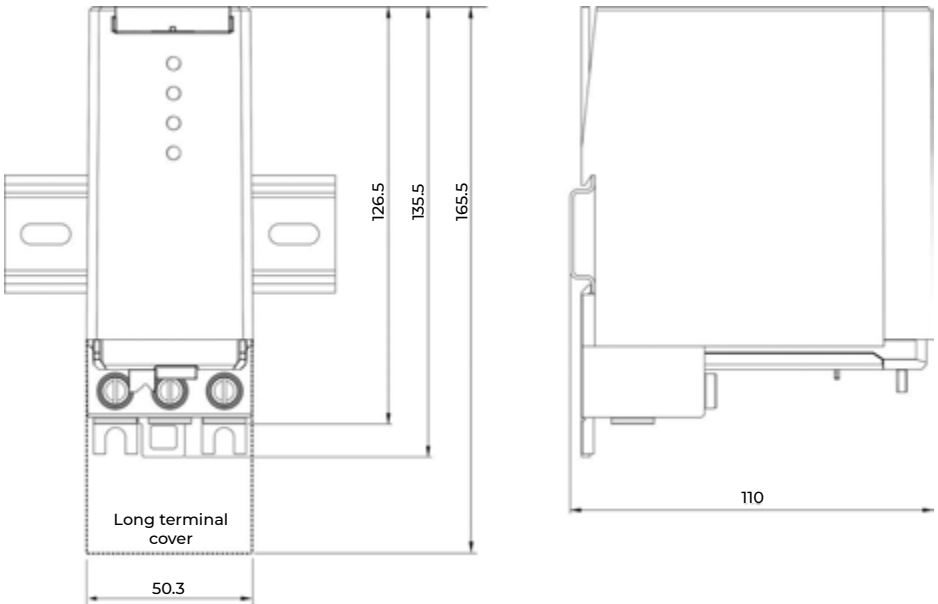
General

- Open STS prepayment (IEC62055-41/51) dlms/COSEM.
- Open industry standard, G3-PLC OFDM technology for bidirectional communications between the E460 meter, the P160 Customer Interface Unit and the Data Concentrator.
- Split metering solution, which typically consists of two parts: the E460 meter and the P160 Customer Interface Unit.
- The P160 Customer Interface Unit is typically installed in the consumer's electrical socket outlet.
- Changeable meter accounts modes such as post-payment (credit) or prepayment with either STS consumption (kWh) or STS monetary currency unit options.
- Real-Time Clock & Time of Use (TOU) – supported when the meter is used in an online system.
- Wide range of valuable event and fraud logs.
- Configurable charge register capability, enabling flexible management of the meter's prepayment account for both import and export energy, thereby supporting small-scale embedded generation (SSEG) needs.
- Remote disconnect and reconnect the meter's load switch when part of an end-to-end smart meter solution.

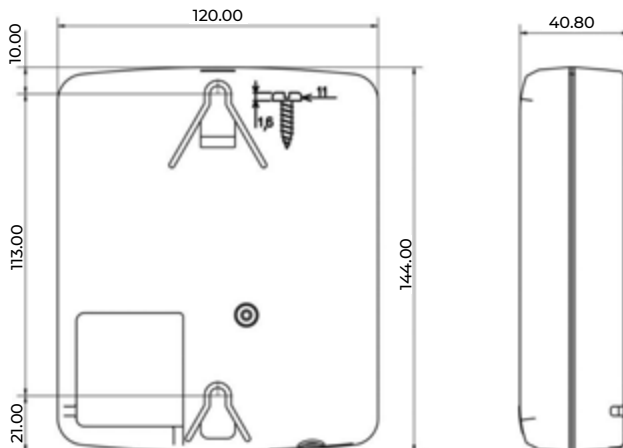


PRODUCT DIMENSIONS

E460 DIN Rail Meter



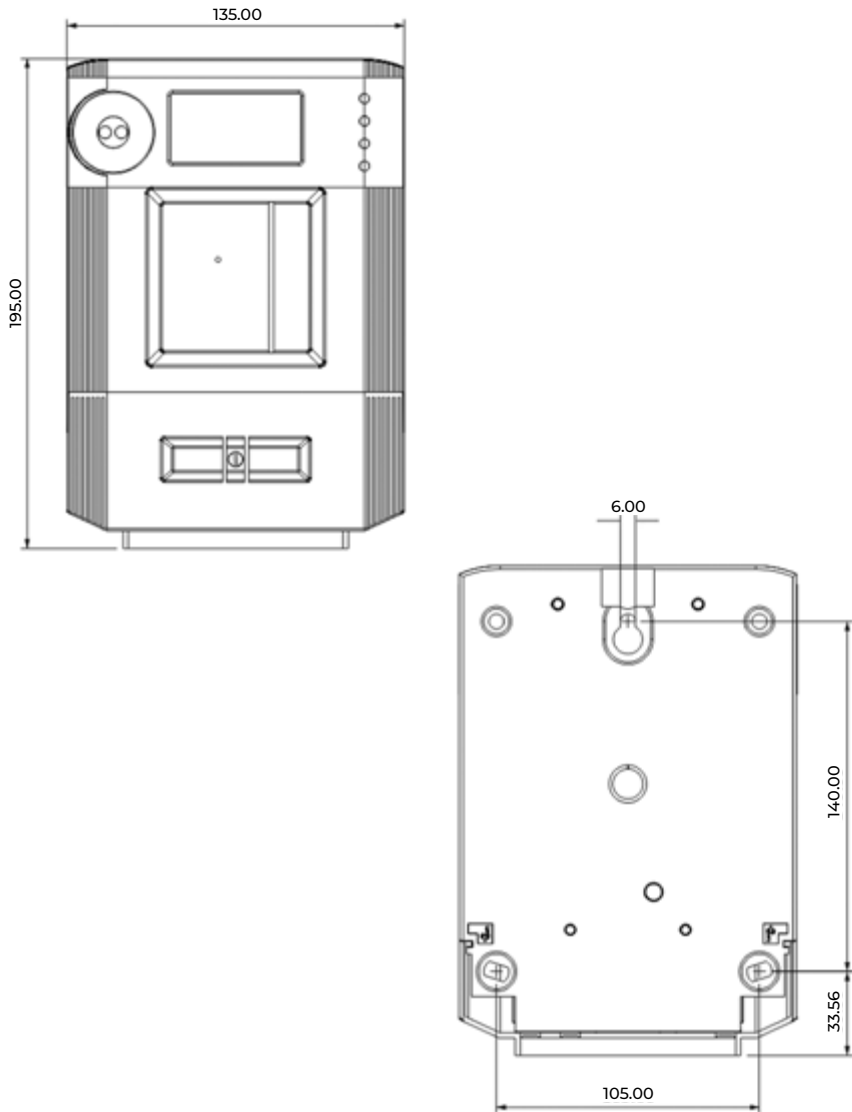
P160 PLC Customer Interface Unit





PRODUCT DIMENSIONS

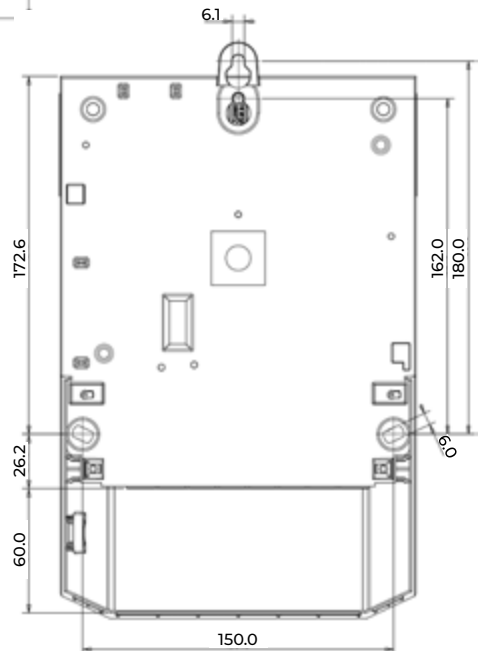
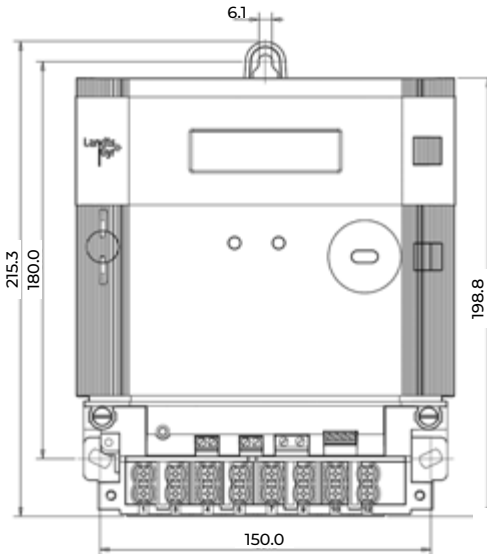
E460 1ph BS G3-PLC Meter





PRODUCT DIMENSIONS

E460 3ph BS C3-PLC Meter





RESIDENTIAL METERS

Landis+Gyr DC450

The Landis+Gyr DC450 is a new-generation intelligent data concentrator for large-scale meter reading and controlling applications.



General

- Pluggable modem for WAN communications.
- Supports G3-PLC Cenelec A band (5-95 kHz) and G3-500 band (150-500 kHz) or PLAN+ Cenelec A band.
- Integrated WEB server for local and remote access to the DC450 data concentrator.
- Data push concept with individual reading and push profiles.
- Enables meter firmware update on the field.
- DLMS/COSEM and IDIS interoperability.
- IPv6 compliant.
- 2 Ethernet ports.
- RS-485 interface.





COMMERCIAL AND INDUSTRIAL USE METERS

Landis+Gyr E650 range

E650 offers high accuracy and long-term stability in energy measurement and all operational conditions. It features an exceptional measurement system for all networks with flexible adaptation possibilities to special requirements.



Specs & Functions	ZMD310	ZMD405	ZMD402
Measurement Accuracy	Class 1	Class 0.5	Class 0.2
Voltage	3 x 220/380 to 240/415V	3 x 58/100 to 240/415V	3 x 58/100 to 240/415V
Current	120	1.0, 5.0, 1/5	1.0, 1/5
Tariff setting with energy, performance, previous values, and load profiles.	✓	✓	✓
Poly- and single-phase recording of energy and demand in all quadrants	✓	✓	✓
GSM/GPRS Modem	✓	✓	✓
Optical Interface	✓	✓	✓
RS-232 Interface	✓	✓	✓
RS-485 Interface	✓	✓	✓
Time-of-use (TOU)	✓	✓	✓
Load profiles	✓	✓	✓
Stored billing value profile	✓	✓	✓

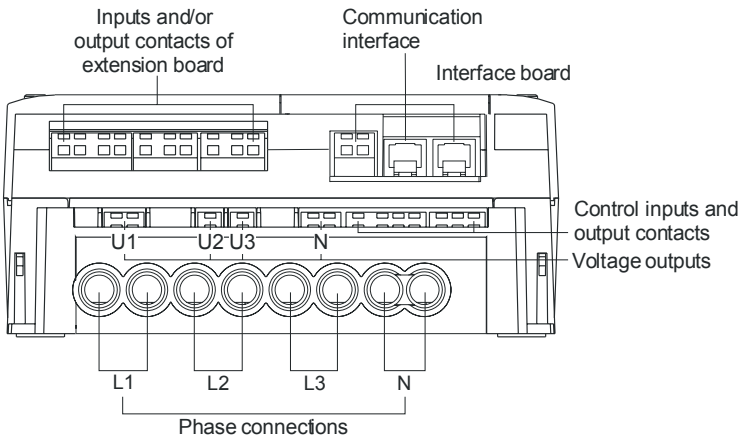
General

- Compliant with IEC and EU meter standards and meter safety standards IEC 62052-31 Built-in smart grid functionality.
- Accuracy classes 0.2s, 0.5s, 1 (IEC) or C, B (MID).
- Direct connected and transformer connected.
- Integrated or modular communication with E650 communication modules.
- Compatible with all E650 communication modules, suitable for all modern communication requirements.

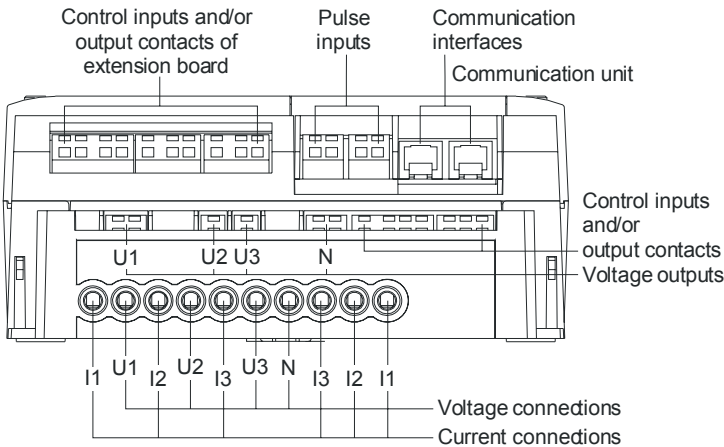


TERMINAL LAYOUT DIRECT CONNECTED

ZMD310



Symmetrical Terminal Layout (optional, ZMD400 only)





COMMERCIAL AND INDUSTRIAL USE METERS

Landis+Gyr E850 range

The E850 is a high-precision electricity meter designed for power plants, photovoltaics, on-shore and off-shore wind farms, transmission networks, substations, railway infrastructure and grid-connected commercial and industrial consumers.

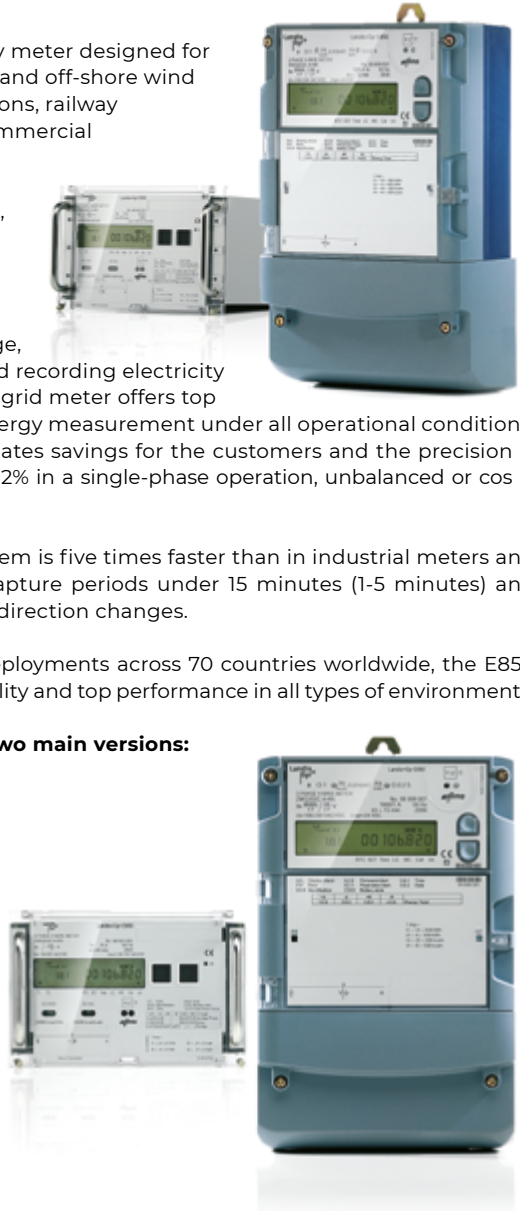
The high-speed measurement system, high data resolution and proven operational security make E850 the preferred choice for customers seeking to improve billing accuracy, network operation, electricity exchange, load frequency control, measuring and recording electricity flows and other grid applications. The grid meter offers top accuracy and long-term stability in energy measurement under all operational conditions. The highest metering accuracy generates savings for the customers and the precision is guaranteed even at the lowest load of 2% in a single-phase operation, unbalanced or $\cos \varphi$ below 1.

The E850 powerful measurement system is five times faster than in industrial meters and it provides sufficient resolution for capture periods under 15 minutes (1-5 minutes) and accurate measurement when energy direction changes.

With the track record of successful deployments across 70 countries worldwide, the E850 metering solution has proved its reliability and top performance in all types of environments.

The E850 grid meter is available in two main versions:

- E850 f6 wall-mounted.
- E850 f9 rack-mounted.





COMMERCIAL AND INDUSTRIAL USE METERS

Landis+Gyr E850 range Features and Specifications

- Accuracy class 0.2S / 0.5S for active energy and 0.5S / 1 for reactive energy.
- 50/60Hz and 16 2/3 Hz (for railway infrastructure).
- 8-digit liquid crystal display (LCD) for local reading of data.
- Exchangeable communication modules (RS 232 / RS 485 / Ethernet / GSM / GPRS / UMTS (3G)).
- Integrated optical interface and RS485 serial interface with DLMS protocol.
- Communication with several third-party suppliers.
- Up to 8 transmitting contacts (for energy flow, load supervision Pmax, Qmax, capture period).
- 4-quadrant measurement (+P -P, +Q -Q, +Q1 -Q4).
- Measurement of instantaneous values of phase voltages and currents.
- Phase angle measurement and detection of the direction of the rotating field.
- Monitoring of instantaneous values of voltage (unbalance, over/under voltage, outage) and current (unbalance, overcurrent).
- Voltage dip table.
- Tariff control.
- Time-of-use (TOU).
- Load profiles.
- Daily snapshot.
- Stored billing value profile.
- Bypass feeder operation.
- Event logs.
- 3 software configurations (Depending on software configuration additional meter functionalities are available).



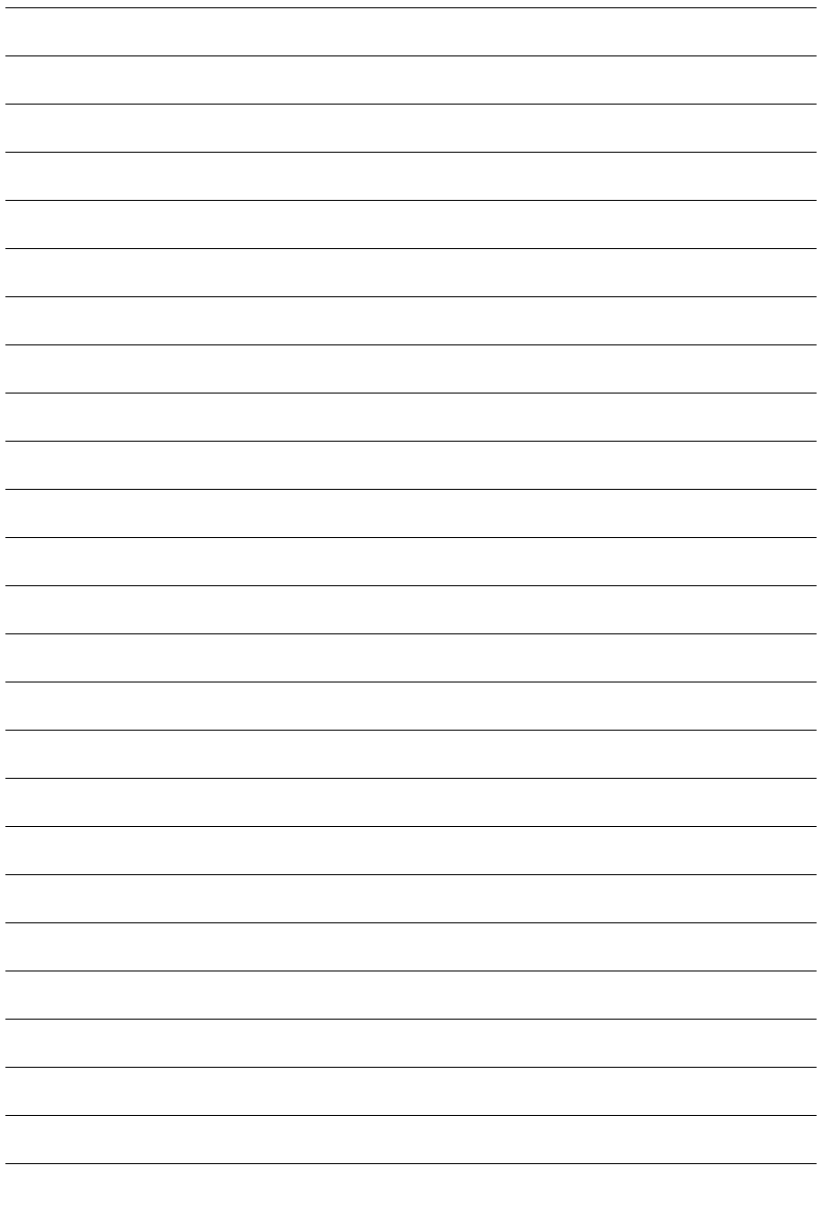
LANDIS+GYR MAP SOFTWARE

MAP is a parameterisation tool (MAP 120) and a service tool (MAP 110) for our meters and corresponding communication modules. With the MAP Tools, Landis+Gyr have created a easy-to-use, but very powerful tool, giving our customer total control of their meters.

Specifications

Functions	Map 110	Map 120
Service tool	✓	✗
Parameter Editor	✗	✓
Parameterisation tool	✗	✓





CONTACT US

CRAIGCOR
DISTRIBUTION



+27 11 574 5300



+27 79 555 8636



customer@craigcor.com



@craigcordistribution



15-17 Poplar Crescent
Lords View Industrial Park,
Chloorkop, Midrand, 1685,
Gauteng, South Africa



@craigcor-distribution-co-pty-ltd



www.craigcor.com



@CraigCorDistribution

WE ARE PROUD DISTRIBUTORS FOR:



We supply country-wide. Our main Distribution Center is located in Midrand. Walk-in customers welcome at our Midrand branch.



CRAIGCOR

DISTRIBUTION



+27 11 574 5300



customercare@craigcor.com



15-17 Poplar Crescent
Lords View Industrial Park,
Chloorkop, Midrand, 1685,
Gauteng, South Africa



www.craigcor.com