

SOLUTIONS FOR **TARIFF METER.**



ABOUT US

Lauritz Knudsen Electrical & Automation, formerly known as L&T Switchgear, is a leading player in the electrical industry owing to its 70+ years of strong legacy and commitment to the nation's growth. The brand is dedicated to providing a wide range of electrical and automation products and solutions to vital sectors of the economy, including industries, utilities, infrastructure, buildings, and agriculture. Our extensive portfolio includes low-voltage and medium-voltage switchgear, automation solutions, tailored software, and services.

With manufacturing operations in Ahmednagar, Vadodara, and Coimbatore, we adhere to global standards of excellence. Our operations are supported by well-equipped, in-house design and development centers, as well as tooling facilities, ensuring precision in manufacturing.

We proudly operate six Switchgear Training Centers (STCs) across Pune, Lucknow, Coonoor, Vadodara, Delhi, and Kolkata. These centers offer tailor-made classroom courses and lab learning experiences for technicians, customers, engineers, professionals, and students.

With a deep national presence and one of the largest electrical distribution networks, comprising over 1500 partners across the country, we are committed to driving excellence and delivering superior products and solutions that power India's growth journey.

Residential Metering



1 Ph Whole Current Energy Meter I EM101+

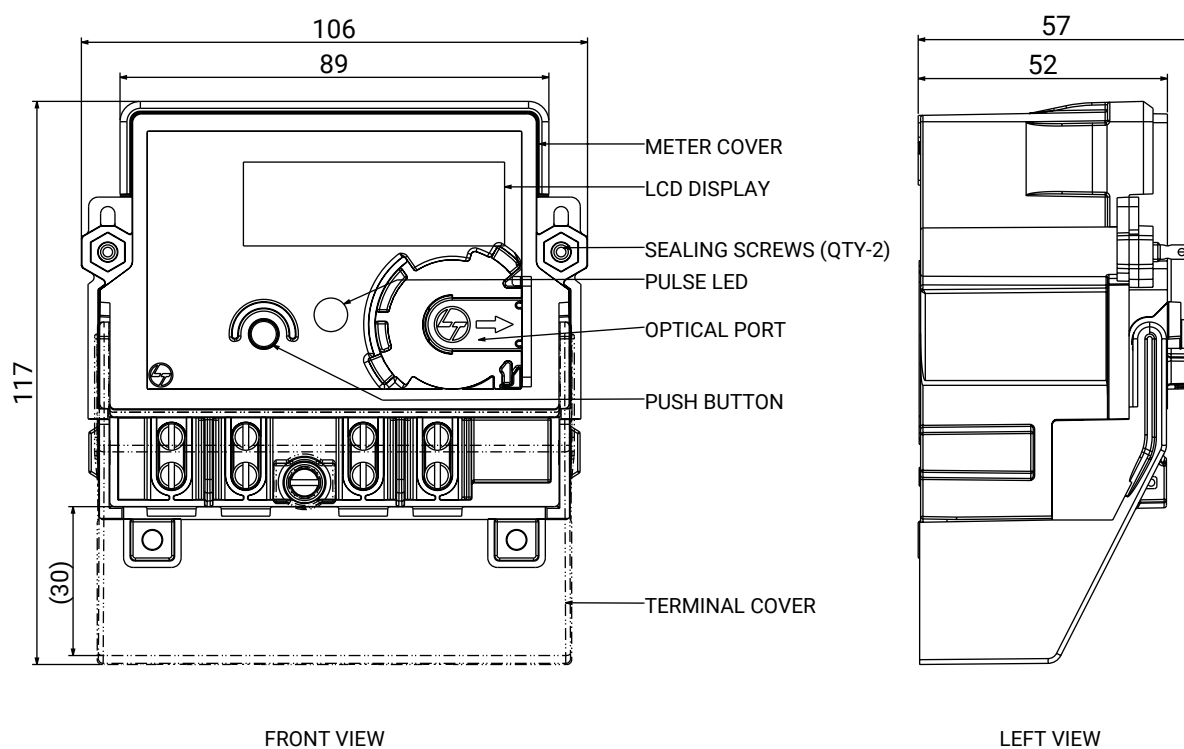
- › Class 1 accuracy as per IS and IEC standards
- › Indication for power on, current reversal and ELT
- › Reset backups
- › High surge withstand capability
- › Load Survey (Interval Data)
- › Anti-tamper features
- › Optical port/ RS 232 port



Specifications

Connection	1 Phase 2 Wire
Standards Applicable	IS 13779, IS 15959, CBIP 325 IEC 62052-11 IEC 62053-21
Accuracy Class	Cl 1.0
Rated Voltage	230V / 240V (P-N)
Voltage Variation	-40% to +20%
Current Rating	5-30 A, 10-60 A
Starting Current	0.2% of basic current
Accuracy up to	120% of maximum current
Frequency	50Hz
Frequency Variation	-5% to +5%
Power Consumption	As per IS 13779
Operating Temperature	-10°C to +55°C
Ingress Protection	IP 51
Supported parameters (As per customer requirement)	
Instantaneous	Voltage, Phase and neutral currents, PF, Active power and apparent power, Frequency
Energy Measurement	4 quadrant measurement of kWh and kVAh

Maximum Demand	kW and kVA along with date and time
Time of Day	Up to 8 registers, profiles and seasons
Display LCD	6-digit backlit display
Display mode	Auto scroll, push button and high resolution modes
LED	Pulse LED for kWh
Other Features	Day wise energies, Load survey profile Tariff wise energies Display and data reading in absence of power Tamper detection Bi-directional energy recording available
Data security	Multi-level password for data reading and programming
Communication	Electrically isolated optical port as per IEC62056-21
Optional communication	RS 232
Protocol supported	DLMS
Tamper	Ultrasonic welding available
proofing provision	(optional)



Three Phase Whole Current Trivector Energy Meter ER300P

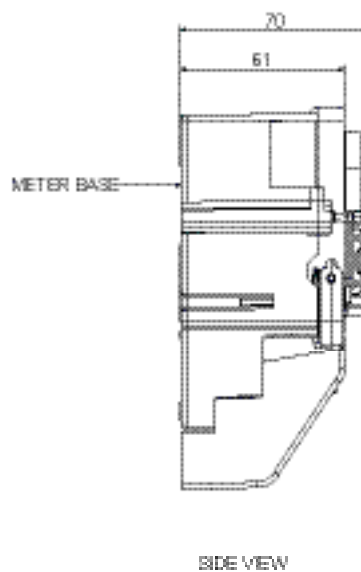
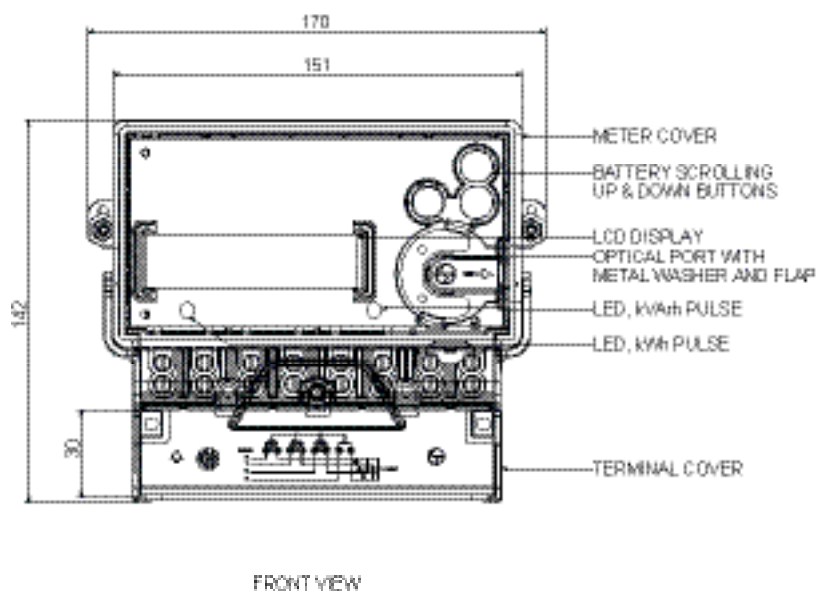
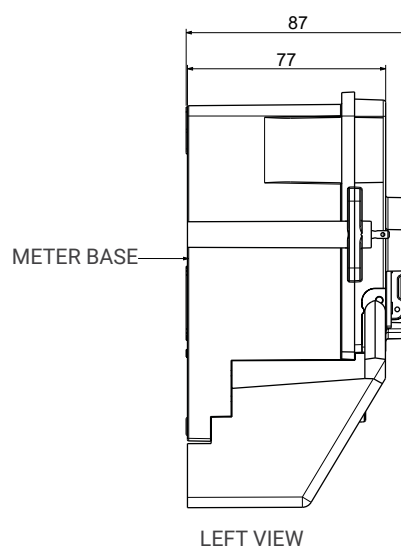
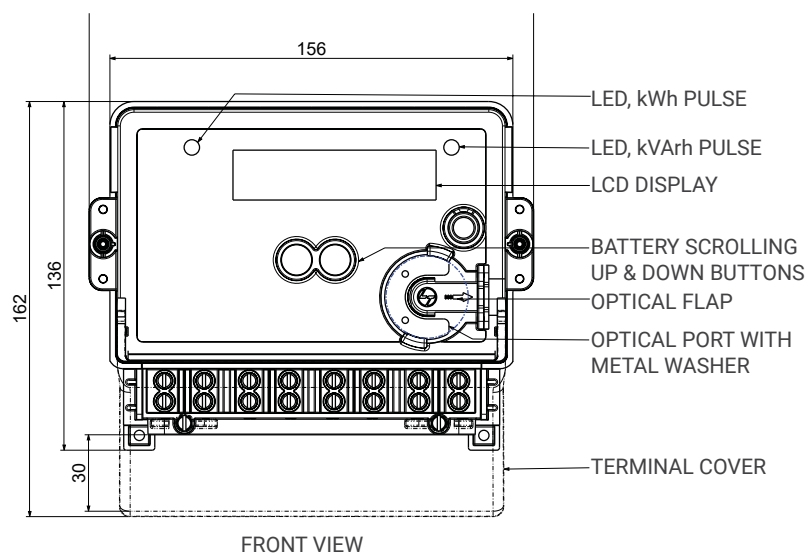
- › Class 1.0 accuracy as per relevant IS and IEC Standards
- › Bidirectional Energy recording
- › Load Survey (Interval Data)

- › Anti-tamper features
- › Self-diagnostic capability
- › Optical port / RS 232 / RS 485

Specifications

Connection	3 Phase 4 Wire
Standards Applicable	IS 13779 IS 15959 CBIP 325 IEC 62052-11 IEC 62053-21
Accuracy Class	Cl 1.0
Rated Voltage	3 x 230V / 3 x 240V (P-N)
Voltage Variation	-40% to +20%
Current Rating	5-30 A 10-40 A 10-60 A 20-100 A
Starting Current	0.2% of basic current
Accuracy up to	120% of maximum current
Frequency	50Hz
Frequency Variation	-5% to +5%
Power Consumption	As per IS 13779
Operating Temperature	-10°C to +55°C
Ingress Protection	IP 51
Supported parameters (As per customer requirement)	
Instantaneous	Phase wise Voltages and Currents, System PF, Active, reactive and apparent power Frequency Phase sequence
Energy Measurement	4 quadrant measurement of kWh, kVAh, and kVAh
Maximum Demand	kW and kVA along with date and time
Time of Day	Up to 8 registers, profiles and seasons

Display	
LCD	8 digit backlit display
Display mode	Auto scroll, push button and high resolution modes
LED	Pulse LEDs for kWh and kVAh
Other Features	Day wise energies Load survey profile Tariff wise energies Display and data reading in absence of power Tamper detection Bi-directional energy recording available
Data security	Multi-level password for data reading and programming
Communication	Electrically isolated optical port as per IEC62056-21
Optional communication Interface	RS 232 / RS 485
Protocol supported	DLMS on Optical, RS 232 & MODBUS on RS 485 port
Tamper proofing provision	Ultrasonic welding available (optional)



COMMERCIAL & INDUSTRIAL, DT METERING



Three Phase LTCT Meter I ER300P

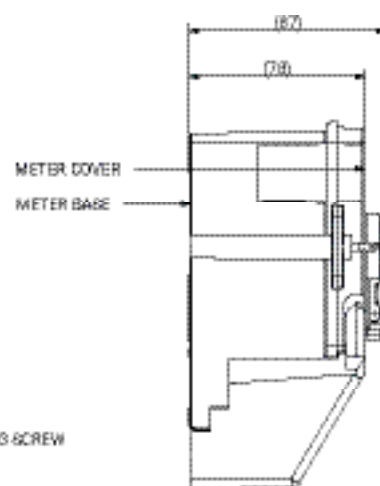
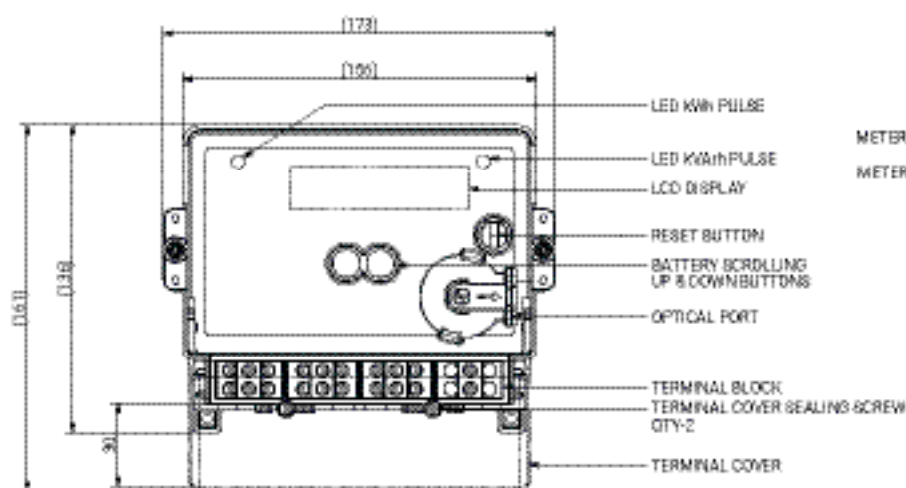
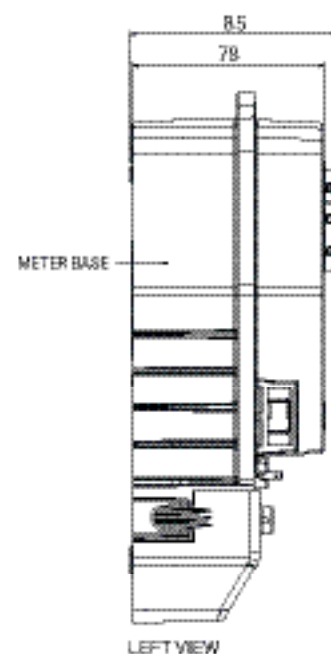
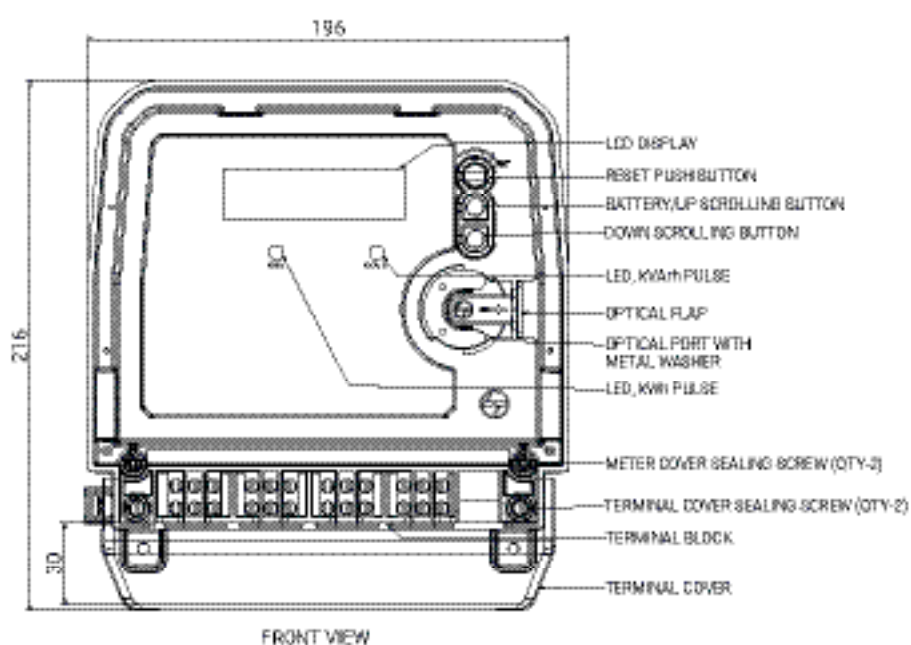
- › Class 0.5s as per relevant IS and IEC Standards
- › 3 Phase 4 Wire
- › 4 Quadrant Measurement
- › Anti-tamper features
- › Self-diagnostic capability
- › Bidirectional Energy recording
- › Load Survey (Interval Data) features
- › Optical port/ RS 232 / RS 485



Specifications

Connection	3 Phase 4 Wire
Standards Applicable	IS14697, IS15959 IEC 62052-11 IEC 62053-22 CBIP 325
Accuracy Class	Cl 0.55
Rated Voltage	3 x 240V (P-N)
Voltage Variation	-40% to +20%
Current Rating	-/5A
Starting Current	0.1% of basic current
Accuracy up to	200% of basic current
Frequency	50Hz
Frequency Variation	-5% to +5%
Power Consumption	As per IS 14697
Operating Temperature	-10°C to +55°C
Ingress Protection	IP 51
Supported parameters (As per customer requirement)	
Instantaneous	Phase wise voltages and currents, system PF, active power, reactive power and apparent power Frequency Phase sequence Total harmonic distortion
Energy Measurement	4 quadrant measurement of kWh, kVAh, and kVAh
Maximum Demand	kW and kVA along with date and time
Time of Day	Up to 8 registers, profiles and seasons

Display	
LCD	8 digit backlit display Auto scroll, push button and high resolution modes
LED	Pulse LEDs for kWh and kVAh
Other Features	Day wise energies Load survey profile Tariff wise energies Display and data reading in absence of power Tamper detection Bi-directional energy recording available
Data security Communication	Multi-level password for data reading and programming Electrically isolated optical port as per IEC62056-21
Optional communication	RS 232 / RS 485
Protocol supported	DLMS / MODBUS
Tamper	Customer specific Ultrasonic
proofing provision	welding available (optional) (optional)



GENERAL TOLERANCE $\pm 3\text{MM}$
INDICATIVE DRAWING

THREE PHASE HTCT MULTI-PORT METER ER300P



- › Class 0.2S as per relevant IS and IEC Standards
- › 3 Phase 4 Wire
- › 4 Quadrant Measurement
- › Anti-tamper features

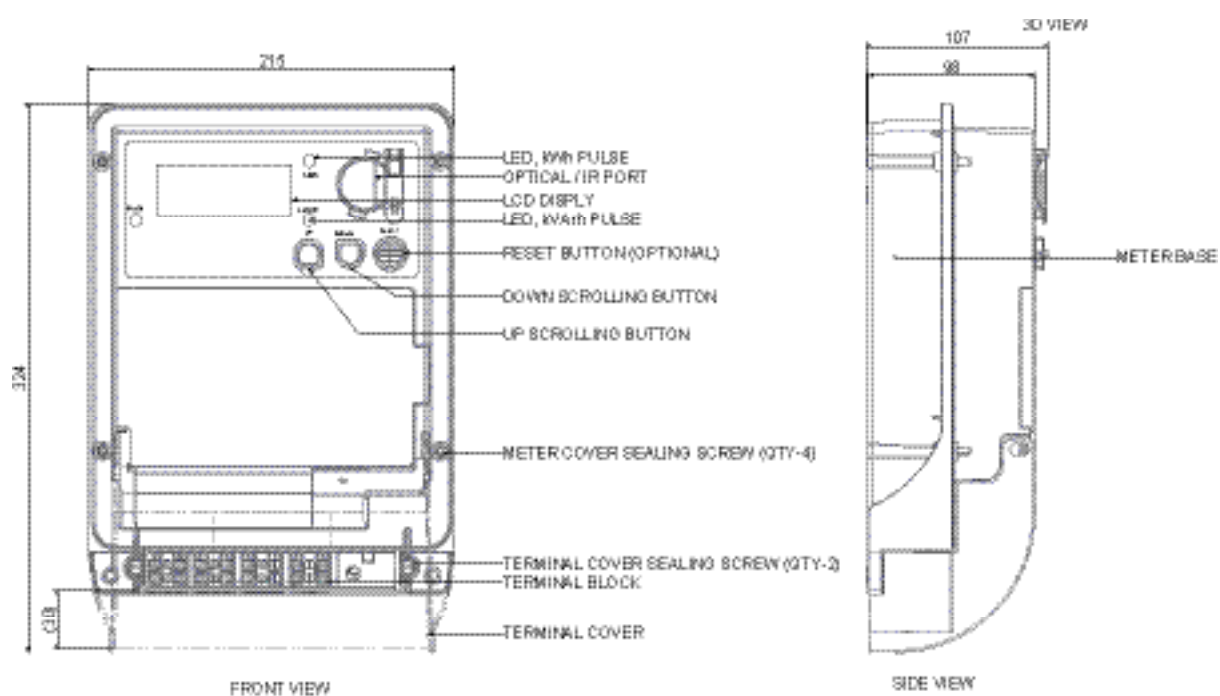


- › Self-diagnostic capability
- › Bidirectional Energy recording
- › Load Survey (Interval Data) features
- › Optical port / RS 232 / RS 485 / TCP/IP communication port

Specifications

Connection	3 Phase 4 Wire
Standards Applicable	IS 14697 IS 15959 IEC 62052-11 IEC 62053-22 CBIP 325
Accuracy Class	CI 0.2S
Rated Voltage	3 x 63.5V (P-N)
Voltage Variation	-40% to +20%
Current Rating	-/1A -/5A
Starting Current	0.1% of basic current Accuracy up to
Frequency Variation	200% of basic current
Frequency	50Hz
Frequency Variation	-5% to +5%
Power Consumption	As per IS 14697
Operating Temperature	-10°C to +55°C
Ingress Protection	IP 51
Supported parameters (As per customer requirement)	
Instantaneous	Phase wise voltages and currents, system PF, active power, reactive power and apparent power Frequency Phase sequence Total harmonic distortion
Energy Measurement	4 quadrant measurement of kWh, kVAh, and kVAh
Maximum Demand	kW and kVA along with date and time
Time of Day	Up to 8 registers, profiles and seasons

Display	
LCD	8 digit backlit display
Display mode	Auto scroll, push button and high resolution modes
LED	Pulse LEDs for kWh and kVAh
Other Features	Day wise energies Load survey profile Tariff wise energies Display and data reading in absence of power Tamper detection Bi-directional energy recording available
Data security	Multi-level password for data reading and programming
Communication	Electrically isolated optical port as per IEC62056-21
Optional communication	RS 232 / RS 485 / TCP/IP
Interface	communication port
Protocol supported	DLMS / MODBUS
Tamper proofing	Ultrasonic welding
provision	available (optional)



GRID/HT METERING



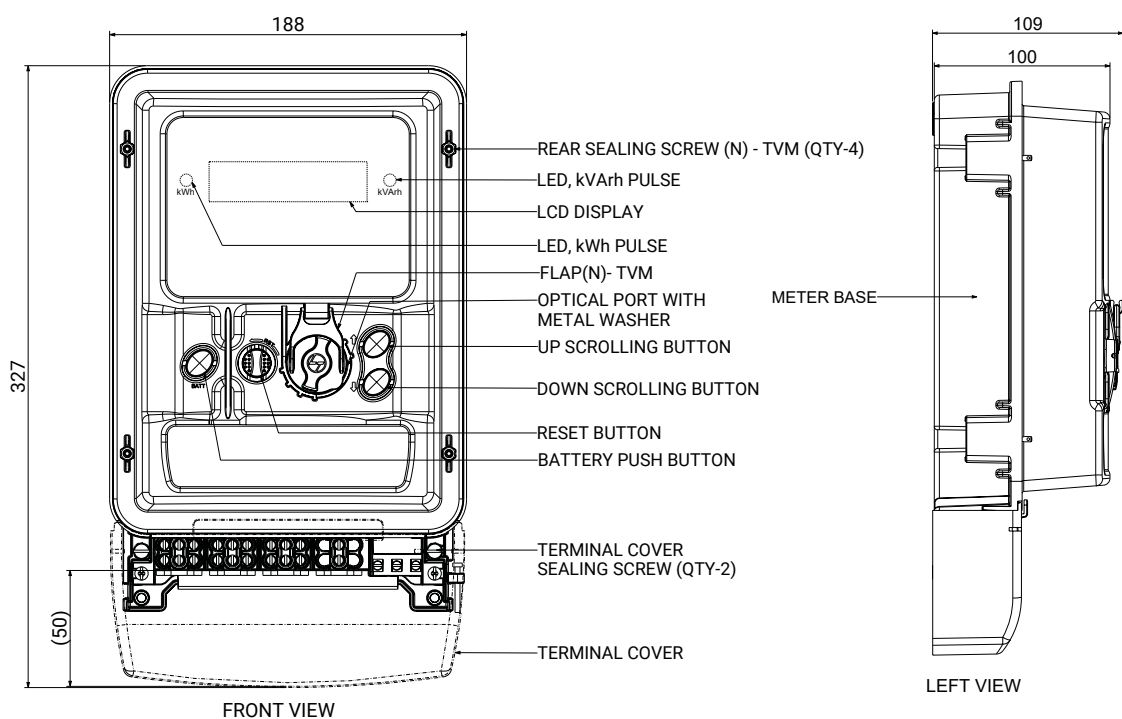
Three Phase HTCT Meter I ER300P

- › Class 0.5S, 0.2S as per relevant IS and IEC Standards
- › 3 Phase 4 Wire
- › 4 Quadrant Measurement
- › Anti-tamper features
- › Self-diagnostic capability
- › Bidirectional Energy recording
- › Load Survey (Interval Data) features
- › Optical port/ RS 232 / RS 485 (optional)

Specifications

Connection	3 Phase 4 Wire
Standards Applicable	IS 14697 IS 15959 IEC 62052-11 IEC 62053-22 CBIP 325
Accuracy Class	CI 0.2S
Rated Voltage	3 x 63.5V (P-N)
Voltage Variation	-40% to +20%
Current Rating	-/1A -/5A
Starting Current	0.1% of basic current Accuracy up to
Accuracy up to	200% of basic current
Frequency	50Hz
Frequency Variation	-5% to +5%
Power Consumption	As per IS 14697
Operating Temperature	-10°C to +55°C
Ingress Protection	IP 51
Supported parameters (As per customer requirement)	
Instantaneous	Phase wise voltages and currents, system PF active power, reactive power and apparent power Frequency Phase sequence Total harmonic distortion
Energy Measurement	4 quadrant measurement of kWh, kVAh, and kVAh
Maximum Demand	4 quadrant measurement of kWh, kVAh, and kVAh

Maximum Demand	kW and kVA along with date and time
Time of Day	Up to 8 registers, profiles and seasons
Display	
LCD	8 digit backlit display
Display mode	Auto scroll, push button and high resolution modes
LED	Pulse LEDs for kWh and kVAh
Other Features	Day wise energies Load survey profile Tariff wise energies Display and data reading in absence of power Tamper detection Bi-directional energy recording available
Data security	Multi-level password for data reading and programming
Communication	Electrically isolated optical port as per IEC62056-21
Optional communication	RS 232 / RS 485
Protocol supported	DLMS / MODBUS
Tamper proofing provision	Ultrasonic welding available (optional)



SINGLE PHASE SMART METERAURORA

- › Complying to IS 16444 Part 1
- › Full smart functionality
- › Communication options including optical, RF and cellular
- › Load connection/disconnection via relays in phase and neutral

- › Tamper alerts available
- › Data logging for instantaneous parameters, billing parameters and energy backups
- › Event logging with active energy, voltage and current snaps available
- › Power fail/restoration alerts (last gasp/first breath)

Specifications

Connection	1 Phase 2 Wire
Standards Applicable	IS 16444 Part 1
Accuracy Class	Cl 1.0
Rated Voltage	240V (P-N)
Voltage Variation	-40% to +20%
Current Rating	10-60 A
Starting Current	0.2% of basic current
Accuracy up to	120% of maximum Current
Frequency	50Hz
Frequency Variation	-5% to +5%
Power Consumption	As per IS 16444 Part 1
Operating Temperature	-10°C to +55°C
Ingress Protection	IP 51
Supported parameters (As per customer requirement)	
Instantaneous	- Voltage - Phase and neutral current - Power factor - Active power, reactive power and apparent power - Frequency
Energy Measurement	4 quadrant measurement of kWh, kVAh, and kVAh
Maximum Demand	kW and kVA along with date and time
Time of Day	Up to 4 registers, profiles and seasons
Display	
LCD	8 digit backlit display
LCD Indicators	Indication for relay status and tampers
Display mode	Auto scroll, push button and high resolution modes LED
LCD	Pulse LEDs for kWh

Smart Features

Alerts	Alert for power on/off, over voltage and over current
Load control	Disconnection provided for: - Over-current and overload conditions - Selected tampers - Disconnection signal from utility
Relay/load switch	Provided in both phase and neutral complying to
IS15884 with UC1	Status available on display and data downloading Connection/disconnection logged as events
Data security	Multi-level password for data reading and programming
Prepayment	Prepaid function as per IS15959 Part 2 (optional)
Communication	
Technology options communication as per IS	Optical port for local 15959 Part 2 - RF/cellular communication module with inbuilt/plug-in options
- RF	- NAN communication over 865-867 MHz - Mesh based Low Power Radio (<1W transmitted power) - IPv6 communication - Gateway-based topology
Cellular	- WAN communication - NB-IoT/4G with fallback to 2G modem

METERS FOR ALL CONSUMER SEGMENTS AND APPLICATIONS



SINGLE PHASE ENERGY METER



EM101+

Salient Features

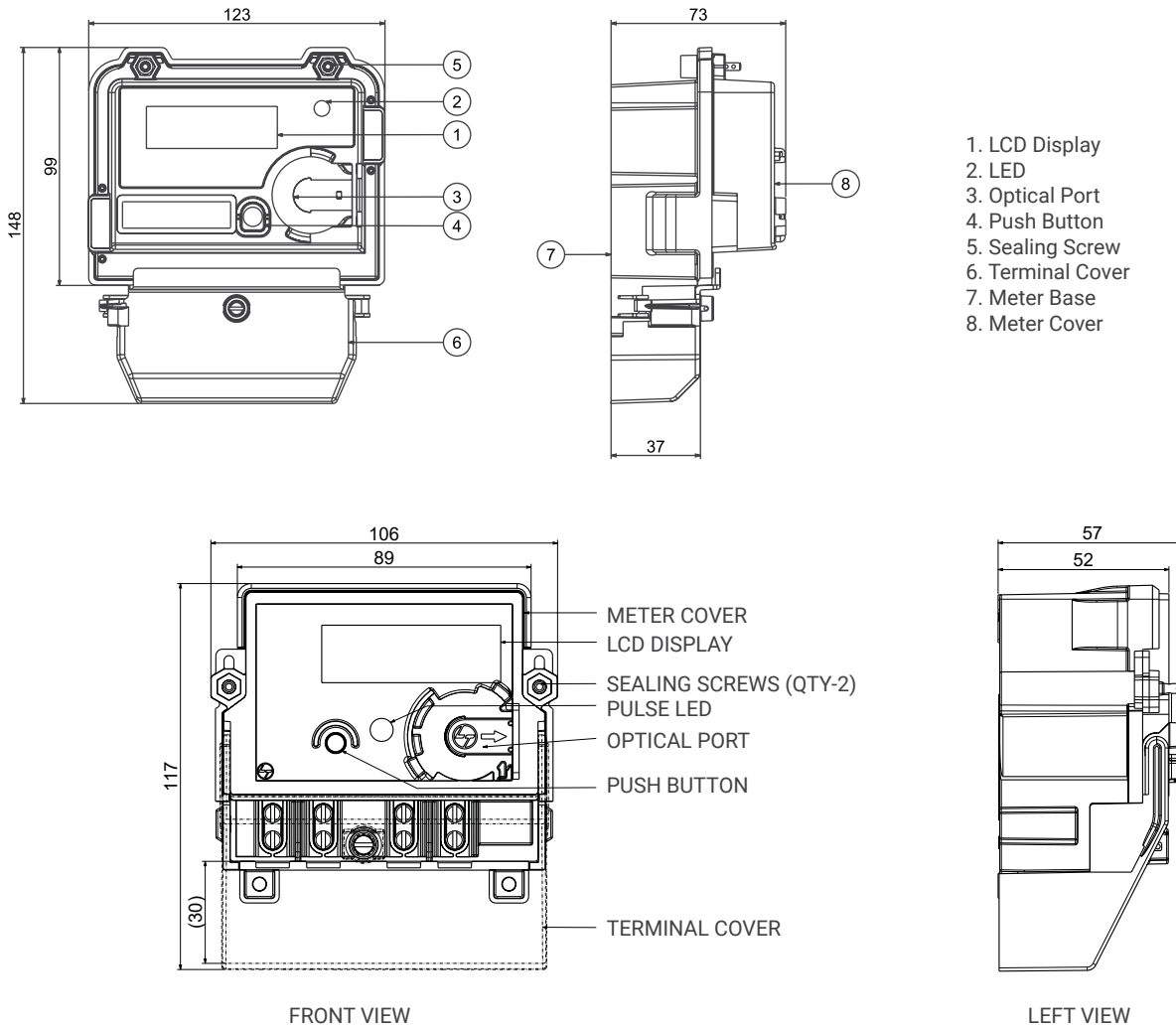
- › Class 1 accuracy as per IS13779
- › Fully static & compact in size with bright LCD display
- › Current rating 5-30A & 10-60A
- › Display consists of auto scrolling, manual scrolling (6+0 digit), battery mode & high resolution mode (2+4 digits)
- › Wide range of communication options - Optical/ RS 232/ DLMS
- › Anti-tamper features
- › Forward energy recording irrespective of current direction
- › High surge withstand capability
- › Load surveys are available for 90 days with voltage, current, PF, KW & KVA
- › Non time based reset backup or billing profile for last 12 months
- › Display and data reading in power OFF condition (with in-built battery model only)
- › Bi-directional energy recording available (Optional- applicable for solar application)
- › Meters are available with suitable hinge type polycarbonate enclosures/boxes (optional)
- › Provisions for meter terminal sealing arrangement to prevent tamper
- › To download NVM data base computer software & optical to USB cables are also available (on request & chargeable basis)

Technical Specifications

ELECTRICAL	
Connection	1 Phase 2 Wire Whole Current type
Accuracy	Class 1 as per IS13779
Rated voltage	240 V
Voltage variation	+20% to -50%
Current rating	5-30 A, 10-60 A
Starting current	0.2% of basic current
Frequency	50Hz $\pm$ 5%
Power consumption	As per IS13779
STANDARD COMPLIANCE	
Applicable standards	IS13779
ENVIRONMENTAL CONDITIONS	
Operating temperature -	10°C to +55°C
Ingress Protection (IP)	IP51
DISPLAY	
LCD	(6+0) digits backlit display & (2+4) digits high resolutions display.
LED indicators	Pulse LED for kWha

PARAMETERS SUPPORTED (As per customer requirements)	
Maximum Demand (MD)	kW and kVA along with date and demand integration period is 30 min
Instantaneous parameters	Voltage, phase and neutral current, active and apparent powers, power factor, frequency
Time of day tariff	TOD 1 for 00-24Hr
Cumulative parameters	kWh, kVAh energies
OTHER FEATURES	
Tamper proofing provision	1. Top cover open 2. Single wire operation or neutral missing 3. Earth load tamper 4. Current reversal. 5. Magnetic logging.
Communication	Optical IEC1107/ DLMS

Mechanical Dimensions



Note: Actual meter dimensions will depend on meter configuration

Ordering Informations for Single phase Meter

CAT No	Accuracy Class	Internal Battery	RTC	Additional Port-RS485 Modbus	Rated Voltage (V)	Current Rating (A)	Display Digits (Nos)	Cumulative KWH	MD in KW & KVA	Load Survey	Last 6 Month KWH Value in Display & Last 12 Months in NVM
WM101BC5DDH	Yes	Yes	Yes	No	240	5-30	6+0	Yes	Yes	Yes	Yes
WM101BC5DDHBOX	Yes	Yes	Yes	Yes	240	5-30	6+0	Yes	Yes	Yes	Yes
WM101BC7DDH	Yes	Yes	Yes	No	240	10-60	6+0	Yes	Yes	Yes	Yes
WM101BC7DDHBOX	Yes	Yes	Yes	Yes	240	10-60	6+0	Yes	Yes	Yes	Yes
WM101BC5DL0	NO	NO	Yes	No	240	5-30	6+0	Yes	NO	NO	NO
WM101BC5DL0BOX	NO	NO	Yes	Yes	240	5-30	6+0	Yes	NO	NO	NO
WM101BC7DL0	NO	NO	Yes	No	240	10-60	6+0	Yes	NO	NO	NO
WM101BC7DL0BOX	NO	NO	Yes	Yes	240	10-60	6+0	Yes	NO	NO	NO
WM101BC5DLMSC*	YES	Yes	Yes	No	240	5-30	5+1	Yes	Yes	Yes	Yes

*With extra RS232 Port for AMR/RMR Support

TRIVECTOR METER



ER300 P

Salient Features

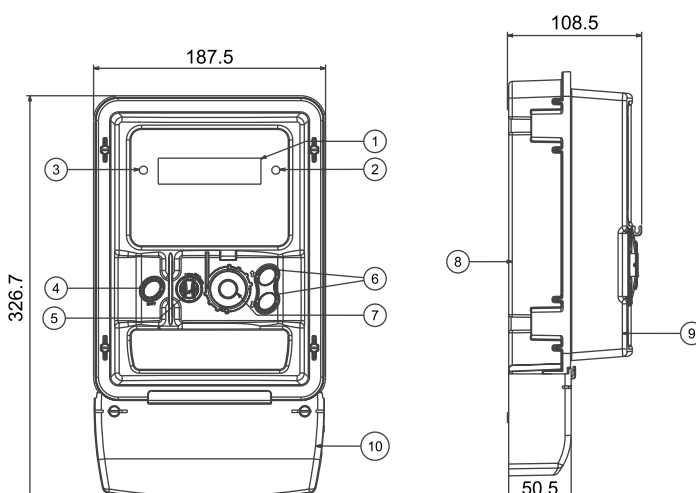
- › Accuracy class 0.2s, 0.5s, 1.0 as per relevant IS standards
- › Suitable for Bi-directional solar/NET metering application (Optional)
- › RS485 modbus available in 10-60A Whole Current meters
- › Configurable multiple tariffs and maximum demand registers
- › Communication via optical / RS 232 / RS 485
- › Anti-tamper features
- › Full four quadrant operation
- › Display and data reading in power OFF condition
- › Factory programmable for unidirectional or Bi-directional
- › Suitable hinge type polycarbonate boxes are available (optional)

Technical Specifications

ELECTRICAL	
Connection	Meter is 3P 4W suitable for 3P 4W Wire and 3P 3W system
Accuracy	Class 0.2s/0.5s as per IS14697 Class 1.0 as per IS13779
• Whole current /	240 V (P-N)
Direct Connected	
• CT Operated	
3 Phase 4 Wire	240 V (P-N)
• CT\PT Operated	
3 Phase 4 Wire	63.5 V (P-N)
3 Phase 3 Wire	110 V (P-P)
Voltage variation	
• Whole current /	-40% to +20%
Direct Connected	
CT Operated	-30% to +20%
CT\PT Operated	
Current Rating	
• Whole current /	10-60 A, 20-100 A
Direct Connected	
• CT\VT Operated	
Basic	1A, 5A
Maximum	120 % of basic current (200 % basic current- Optional)
Frequency	50Hz $\pm$ 5%
Power Consumption	As per IS14697 for CT/PT operated As per IS13779 for whole current
STANDARD COMPLIANCE	
Applicable standards	IS13779 for class 1 IS14697 for Class 0.2s/0.5s IS 15959 IEC62053-21, IEC62053-22
ENVIRONMENTAL CONDITIONS	
Operating temperature	-10°C to +55°C
Ingress Protection (IP)	IP51

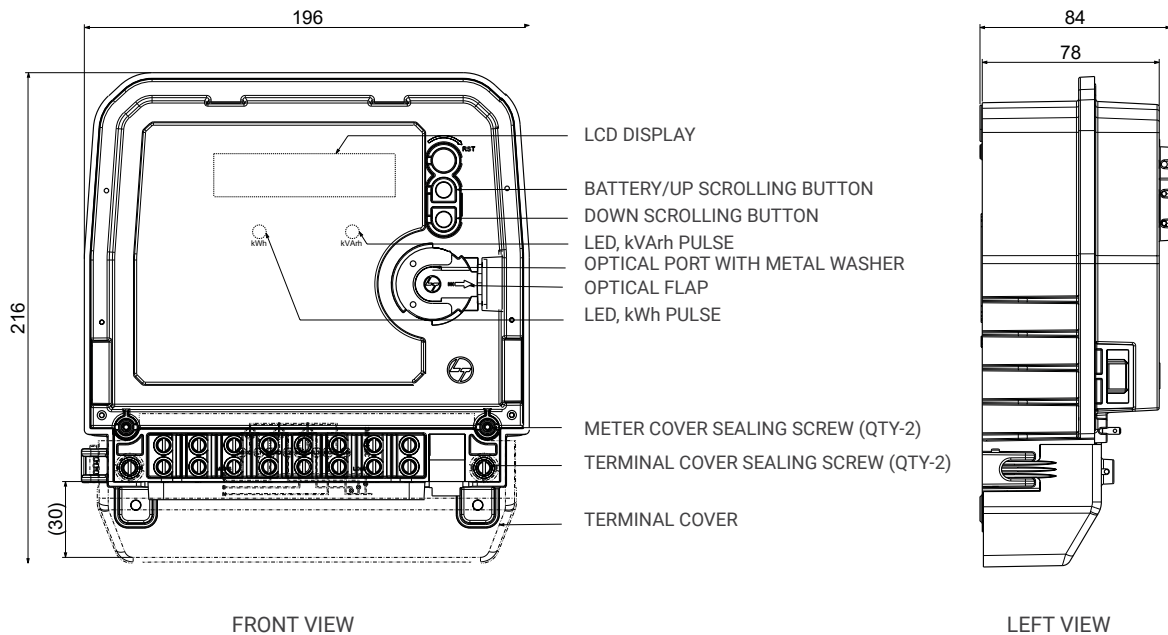
PARAMETERS SUPPORTED (As per customer requirements)	
Maximum Demand (MD)	kW and kVA along with date and time
Instantaneous parameters	Phase wise voltages and currents, active reactive and apparent powers, power factor, frequency
Time of Day Tariff	Up to 8 Registers, profiles and seasons
Energy measurement	4 quadrant measurement of kWh, kVAh, and kVAh
Display	
LCD	8 digit backlit display
Display Mode	Auto scroll, push button and high resolution modes
LED	Pulse LEDs for kWh and kVAh
OTHER FEATURES	
Load survey	kVAh, kWh, kVAh lag, kVAh lead, voltages and currents
Data Security	Multi level password for data reading and programming
Communication	Electrically isolated optical port as per IS15959/ IEC62056-21 (DLMS)
Optional	
Optional communication	RS 232 / RS 485
Protocol supported	DLMS as per IS15959
Tamper Detection (as per	Missing Potential, Voltage related
customer requirements)	tampers, Current related tampers, Low Power Factor, Meter Cover Open, Abnormal Magnetic influence, Wrong phase sequence detection
Tamper proofing provision	Ultrasonic welding available (optional)

Mechanical Dimensions



1. LCD Display
2. LED kVAh
3. LED kWh
4. Battery Push Button
5. Reset Push Button
6. Up/Down Scroll Push Button
7. Optical Port
8. Meter Base
9. Meter Cover
10. Terminal Cover

Note: Actual meter dimensions will depend on meter configuration



Ordering information for Trivector Meters, WC & LTCT Meters, Accuracy -1.0 for WC & 0.5s for LTCT

CAT No	Accuracy Class	Internal Battery	RTC	Additional Port-RS485 Modbus	Rated Voltage (V)	Current Rating (A)	Display Digits (Nos)	Cumulative KWH	MD in KW & KVA	Load Survey 40 days for all energy values	CT Ratio need to be provided at the time of ordering
WR300BC7300	1	Yes	Yes	No	415/240	10-60A	6+2	Yes	Yes	Yes	NO
WR300BC73RS485	1	Yes	Yes	Yes	415/240	10-60A	6+2	Yes	Yes	Yes	NO
WR300BC52RS	0.5s	Yes	Yes	Yes	415/240	/5	6+2	Yes	Yes	Yes	Yes

Ordering information for Trivector Meters-HT CT/PT Operated 0.5s or 0.2s

CAT No	Accuracy Class	Internal Battery	RTC	Additional Port-RS485 Modbus	Rated Voltage (V)	Current Rating (A)	Display Digits (Nos)	Cumulative KWH	MD in KW & KVA	Load Survey 40 days for all energy values	CT Ratio need to be provided at the time of ordering
WR300BB52RS	0.5s	Yes	Yes	Yes	110/63.5	/5	6+2	Yes	Yes	Yes	Yes
WR300BB12RS	0.5s	Yes	Yes	Yes	110/63.5	/1	6+2	Yes	Yes	Yes	Yes
WR300BB51RS	0.2s	Yes	Yes	Yes	110/63.5	/5	6+2	Yes	Yes	Yes	Yes
WR300BB11RS	0.2s	Yes	Yes	Yes	110/63.5	/1	6+2	Yes	Yes	Yes	Yes

ABT (AVAILABILITY BASED TARIFF) METER



ER300 P

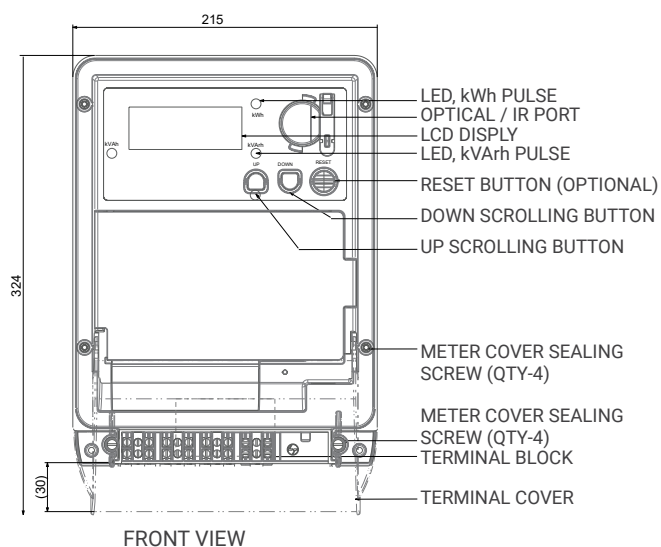
Salient Features

- › Accuracy class 0.2s as per relevant IS 14697
- › Frequency based energy measurement
- › Suitable for inter-utility or open access consumer billing
- › Store energy values in every 15 mins block along with avg frequency in same interval
- › ABT meters are also available as per PGCIL specs, guidelines & capable of convert data in NPC format (Power Grid's report format)
- › Consider Step frequency 0.01Hz.
- › Communication via optical (IEC1107/DLMS) / RS232 / RS485 (MODBUS/DLMS)-(Optional)
- › Anti-tamper features
- › Display and data reading in power OFF condition
- › Capable of recording Load Survey data & easy download through Base Computer Software
- › Approved in all major utilities across the country

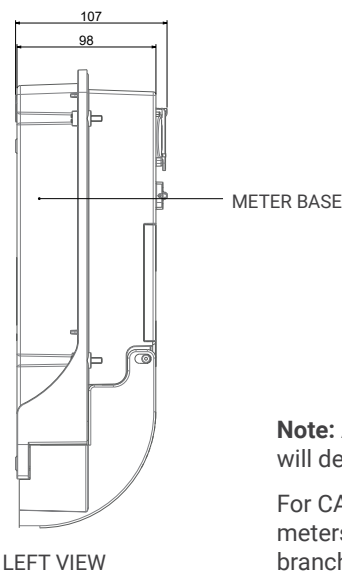
ELECTRICAL	
Connection Accuracy	3 Phase 4 Wire Class 0.2s/0.5s (active/reactive) as per IS14697 or 0.2s/0.2s (active/active).
• CT\PT Operated	
3 Phase 4 Wire	63.5 V (P-N)
3 Phase 3 Wire	110 V (P-P)
Voltage variation	
• Whole current /	-40% to +20%
Direct Connected	
• CT Operated	-30% to +20%
CT/PT operated	
Current Rating	
• CT\VT Operated	
Basic	1A, 5A
Maximum	120 % of basic current (200 % basic current-Optional)
Frequency	50Hz $\pm$ 5%
Power Consumption	As per IS14697 for CT/PT operated
STANDARD COMPLIANCE	
Applicable standards	IS14697 for Class 0.2s/0.5s IS15959 IEC62053-21, IEC62053-22
ENVIRONMENTAL CONDITIONS	
Operating temperature	-10°C to +55°C
Ingress Protection (IP)	IP51

PARAMETERS SUPPORTED (As per customer requirements)	
Maximum Demand (MD)	kW and kVA along with date and time (Optional)
Instantaneous parameters	Phase wise voltages and currents,
	active reactive and apparent powers,
	power factor, frequency
Time of Day Tariff	Up to 8 Registers, profiles and seasons (Optional)
Energy measurement	Frequency based.
Display	
LCD 8 digit backlit display	
Display Mode	Auto scroll, push button and high resolution modes
LED	Pulse LEDs for kWh and kVArh
OTHER FEATURES	
Load survey	kVAh, kWh, kVArh lag, kVArh lead, phase wise voltages and currents
Data Security	Multi level password for data reading and programming
Communication	Electrically isolated optical port as per IS15959/ IEC62056-21 (DLMS, CAT B)
Optional communication interfaces	RS 232 / RS 485 / Ethernet.
Protocol supported	DLMS as per IS15959 and MODBUS (For RS485)
Tamper Detection (as per	Missing Potential, Voltage related
customer requirements)	tampers, Current related tampers, Low Power Factor, Meter Cover Open, Abnormal Magnetic influence, Wrong phase sequence detection
Tamper proofing provision	Ultrasonic welding available.

Mechanical Dimensions



3D VIEW



Note: Actual meter dimensions will depend on meter configuration
For CAT Nos. details of ABT meters contact with nearest branch offices.

Electrical Standard Products (ESP) Offices

HEAD OFFICE

Lauritz Knudsen Electrical & Automation, A/600, Shil-Mahape Road, TTC Industrial Area, MIDC Thane, Navi Mumbai, 400 710, Maharashtra.
Tel: 022-6722 6300 | Fax: 022-6705 1112 | e-mail: CIC@LK-EA.com

BRANCH OFFICES

Lauritz Knudsen Electrical & Automation
C-201, The First Commercial Complex,
B/S Keshavbaug Party Plot, Vastrapur,
Ahmedabad - 380 015
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
Shri Daneshwari, 1st Floor,
Plot No. 17, 2nd Cross, Near Old Income
Tax Office Road, Vidyanagar,
Hubballi - 580 021
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
No.10, Fortuna Towers, 2nd Floor,
Rana Pratap Marg, Near NBRI,
Lucknow - 226 001
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
A06/A07, Second Floor,
Grand Chandra Complex, Frazer Road
Patna - 800 001
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
Wework Central, #36 Infantry Road,
Bengaluru - 560 001
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
AWFIS Space Solutions, Prestige Phoenix,
4th floor, 1405, Umanagar, Begumpet,
Hyderabad - 500 016
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
El Dorado Building, 3rd Floor, 6,
Venkatraman Street, Chinna Chokkikulam,
Madurai - 625 002
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
UrbanWrk, 5th Floor, Sai Radhe,
Raja Bahadur Mill Road, Behind Hotel
Grand Sheraton, Sangamwadi
Pune - 411 001
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
Under O Launchpad, 4th Floor,
Unit-434, Esplanade 1, Rasulgarh,
Bhubaneswar - 751 010
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
Workie, 214 - 2nd Floor,
Apollo Premier, PU-4,
Scheme No. 54, Vijay Nagar Square,
Indore - 452 010
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
Bestech Business Park,
Tower - A, 2nd floor, Sector - 66
Mohali - 160059
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
Office No. 211 & 212, Pithalia Plaza,
KK Road, Near Fafadih Chowk,
Raipur - 492 001
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation,
801 Word Level-8, No. 28,
SIDCO Industrial Estate, Guindy,
Chennai - 600 032
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
Office No. 430, 4th Floor,
Jaipur Electronic Market, Riddhi Siddhi,
Gopalpura Bypass,
Jaipur - 302 018
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
TC II, Tower B, PRIMA BAY Gate No. 5,
Saki Vihar Road Powai,
Mumbai - 400 072
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation,
DevX 4th Floor, A Wing, Om 9 Square,
150 Ft Ring Road, Near Nana Mava Circle,
Opp Silver Heights,
Rajkot - 360 001
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
Playworkz Coworking Space
43 & 44, 3rd Cross,
Bharathy Colony, Peelamedu,
Coimbatore - 641 004
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
GDR Siddha, Ground Floor, N Road
Bistupur, Opposite St. Mary's Church,
Jamshedpur - 831 001
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
Unnati Building, 2nd Floor,
Automation Campus, A-600, TTC Industrial
Area Shil-Mahape Road, Mahape,
Navi Mumbai - 400 710
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
10th Floor, Titaanium Business,
Bhimrad Road, Althan
Surat - 395 017
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
3rd Floor, 1&2 Vijay Park,
Main Chakrata Road, Opp. Anandam,
Near Ballupur chowk,
Dehradun - 248 001
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
Business Communication Centre
2nd Floor, Chiramel Chambers,
Kurisupally Road, Ravipuram,
Kochi - 682 015
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
M1 & M2, Mezzanine Floor,
Himalaya Excellency,
Plot No. C-47, Pratap Nagar Square,
Nagpur - 440 022
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
11th Floor, Block-D, Notus IT Park,
Sarabhai Campus, Bhailal Amin Marg,
Vadodara - 390 023
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
Ground Floor, B-27,
Biplab Rashbihari Sarani,
Sector 2A, Bidhan Nagar,
Durgapur - 713 212
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation,
207, 2nd floor, Revolution Complex,
Station Road, E Ward,
Next to Pedestrian Bridge,
Kolhapur - 416 001
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation,
3rd floor,
Uttam Tower by Viraj Estate,
Sharanpur Road,
Nasik - 422 002
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
Naga Chambers, 3rd Floor, D/No. 12-1-16,
Plot No. 49, Survey No. 1051, Waltair Main Road,
Visakhapatnam - 530 002
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
6th Floor, Exotica Greens, A Block, 191,
R G Baruah Road, Guwahati Central,
Guwahati - 781 005
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
2nd Floor, BN3, Salt Lake, Sector-V,
Kolkata - 700 091
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
A-25, 1st Floor, Imperia Complex,
Mohan Corporate Industrial Estate,
Near Sarita Vihar Metro Station,
Mathura Road,
New Delhi - 110 044
Phone No: 022-6932 7800
e-mail: CIC@LK-EA.com

Product improvement is a continuous process. For the latest information and special application, please contact any of our offices listed here. Product photographs shown for representative purpose only.



Lauritz Knudsen Electrical & Automation, Electrical Standard Product

A/600, Shil-Mahape Road, TTC Industrial Area, MIDC Thane, Navi Mumbai, 400 710, Maharashtra, Phone No: 022-6722 6300 | Web: www.LK-EA.com

Customer Interaction Center (CIC)

Phone no: 022-6932 7800

Web: www.LK-EA.com | e-mail: CIC@LK-EA.com