



VEDANTAM
Infosolutions Private Limited

About

Vedantantam Infosolutions Private Limited is a provider of End to End Smart Metering Solutions Including IOT Enabled 1 Phase & 3 Phase smart meter with backened Integration Software & Billing Solutions

☎ 0522 - 4045466

✉ info@vedantaminfosolutions.com



1 PHASE, DUAL SOURCE SMART ENERGY METER

SALIENT FEATURES

- Compliance with IS: 16444 & CBIP Report No. 304 with latest amendments.
- State-of-the-art design with class 1.0 accuracy
- Liquid Crystal Display with backlit
- 7 Digits including 1 decimal digity (9999999.9)
- Comprehensive tamper detection and tamper proofing measures
- LED/LCD indication for calibration, phase indication, earth load tamper and reverse tamper
- Display/Record cumulative active energy (kWh)
- TOD, MD, Load profile, PF indication
- Optical communication port
- Forward energy registration in case of all tampers
- High resolution energy display mode for dial test
- Compact, sleek and packed in dust, moisture and shock proof (IP51) polycarbonate enclosure
- Option of plug & play RF/GPRS communication module/keypad
- Connect/Disconnect Load Relay

TECHNICAL SPECIFICATIONS

| | |
|------------------------|---|
| Confirms to | IS: 13779, IS 16444, IEC 62052/ 53, CBIP Report No. 304 With latest amendments. |
| Accuracy Class | Class 1.0 (No drift in tolerance of accuracy for 10 years) |
| Reference Voltage | 240V AC (-40% to +20%) |
| Current Rating Ib (Im) | 5(30)A, 10(60)A |
| Frequency Range | 50Hz +- 5% |
| Power Factor Range | 0(lag)-UPF-0(lead) |
| Starting Current | 0.2% Ib |
| Meter Constant | 3200 Pulses/kWh |
| Power Consumption | As per IS:13779:2020 |
| Display | LCD- 7+1 |

DISPLAY/RECORD PARAMETERS

| Auto Scroll Mode | Push ButtonMode |
|---|---|
| Cumulative active energy in kWh for grid supply, Cumulative maximum demand in KW for grid supply with date & time, real date & time Cumulative active energy in kWh for DG supply, Cumulative maximum demand in KW for DG supply with date & time, real date & time Note: Display parameter can be customized as per requirement | LCD check, Meter serial no.,History of cumulative cative energy, (kWh) & MD (kW) with date & time for last six months for gtod supply, Cumulative active energy in kWh, maximum demand in KW with date & time, history for last six months in kWh, history of maximum demand in KW with date & time for last six months Note: Display parameter can be customized as per requirement |
| Tamper | Communication |
| Current reversal, Earth loading, DC/AC magnetic influence, Neurtral Mising, Cover open | Optical communication as per IEC 62056- 21 Optically isolated RS232/RS485 part for data downloading, GSM/GPRS/RF communication LPR 2.4 GHz (optional), IRDA communication (optional), Bluetooth interface available for meter reading. |



1 PHASE, SMART ENERGY METER

SALIENT FEATURES

- Compliance with IS: 16444 & CBIP Report No. 304 with latest amendments.
- State-of-the-art design with class 1.0 accuracy
- Backlit Liquid Crystal Display-7
- 7 Digits including 1 decimal digity (9999999.9)
- Comprehensive tamper detection and tamper proofing measures
- LED/LCD indication for calibration, phase indication, earth load tamper and reverse tamper
- Display/Record cumulative active energy (kWh)
- TOD, MD, Load profile, PF indication
- Optical communication port
- Forward energy registration in case of all tampers
- High resolution energy display mode for dial test
- Authenticated Billing code (ABC)
- Compact, sleek and packed in dust, moisture and shock proof (IP51) polycarbonate enclosure
- Option of plug & play RF/GPRS communication module/keypad
- Connect/Disconnect Load Relay

TECHNICAL SPECIFICATIONS

| | |
|------------------------|--|
| Confirms to | IS 16444, IEC 62052/ 53, CBIP Report No. 304 With latest amendments. |
| Accuracy Class | Class 1.0 (No drift in tolerance of accuracy for 10 years) |
| Reference Voltage | 240V AC (-40% to +20%) |
| Current Rating Ib (Im) | 5(30)A, 10(60)A |
| Frequency Range | 50Hz +- 5% |
| Power Factor Range | 0(lag)-UPF-0(lead) |
| Starting Current | 0.2% Ib |
| Meter Constant | 3200 Pulses/kWh |
| Power Consumption | As per IS:13779:2020 |
| Display | LCD- 7+1 |

DISPLAY/RECORD PARAMETERS

| Auto Scroll Mode | Push ButtonMode |
|--|---|
| Cumulative active energy (kWh) Cumulative MD along with Icon | Real date & time, Instantaneous voltage, Instantaneous current Instantaneous power factor, Instantaneous load (kW) Supply frequently, MD eith date & time, Meter serial no. Note: Display parameter can be customized as per requirement |
| Tamper | Communication |
| Current reversal, Earth loading, DC/AC magnetic influence, Neutral Mising, Cover open, Immune and log for abnormal voltage | Optical communication as per IEC 62056- 21 Optically isolated RS232/RS485 part for data downloading, GSM/GPRS/RF communication LPR 2.4 GHz (optional), IRDA communication (optional) |



VEDANTAM
Infosolutions Private Limited

1 PHASE, STATIC ENERGY METER

SALIENT FEATURES

- Compliance with IS: 13779 & CBIP Report No. 304 with latest amendments.
- State-of-the-art design with class 1.0 accuracy
- Liquid Crystal Display with Backlit
- 7 Digits including 1 decimal digity (9999999.9)
- Comprehensive tamper detection and tamper proofing measures
- LED/LCD indication for calibration, phase indication, earth load tamper and reverse tamper
- Display/Record cumulative active energy (kWh)
- TOD, MD, Load profile, PF indication
- Optical communication port
- Forward energy registration in case of all tampers
- Compact, sleek and packed in dust, moisture and shock proof (IP51) polycarbonate enclosure



TECHNICAL SPECIFICATIONS

| | |
|------------------------|--|
| Confirms to | IS 13779, IEC 62052/ 53, CBIP Report No. 304 With latest amendments. |
| Accuracy Class | Class 1.0 |
| Reference Voltage | 240V AC (-40% to +20%) |
| Current Rating Ib (Im) | 5(30)A, 10(60)A |
| Frequency Range | 50Hz +- 5% |
| Power Factor Range | 0(lag)-UPF-0(lead) |
| Starting Current | 0.2% Ib |
| Meter Constant | 3200 Pulses/kWh |
| Power Consumption | As per IS:13779:2020 |
| Display | LCD- 6+1 |

DISPLAY/RECORD PARAMETERS

| Auto Scroll Mode | Push ButtonMode |
|--|--|
| Cumulative active energy in (kWh) for Cumulative demand for current month in kW with date & time, Real date & time Note: Display parameter can be customized as per requirement | LCD check, Meter serial no., History of cumulative active energy, (kWh) & MD (kW) with date & time for last six months for grid supply, Cumulative active energy in kWh, maximum demand in KW with date & time, history for last six months in kWh, history of maximum demand in KW with date & time for last six months Note: Display parameter can be customized as per requirement |
| Tamper | Communication |
| Current reversal, DC/AC magnetic influence, Neurtral Misiing, Cover open, Immune and log for abnormal | Optical communication as per IEC 62056- 21 Optically isolated RS232/RS485 part for data downloading, IRDA communication (optional), Downloaded data can be used for on the spot billing |

1 PHASE, STATIC ENERGY METER

SALIENT FEATURES

- Compliance with IS: 16444 & CBIP Report No. 304 with latest amendments.
- State-of-the-art design with class 1.0 accuracy
- Liquid Crystal Display with Backlit
- 8 Digits including 2 decimal digity (9999999.9)
- Measure the power consumption on two sources continuously. (DG set & Power grid)
- Comprehensive tamper detection and tamper proofing measures
- LED/LCD indication for calibration, phase indication, earth load
- tamper and reverse tamper
- Display/Record cumulative active energy (kWh)
- TOD, MD, Load profile, PF indication
- Forward energy registration in case of all tampers
- Inbuilt relays for auto cut-off up to Max.Load.
- Compact, sleek and packed in dust, moisture and shock proof (IP51) polycarbonate enclosure
- Optional plug & play RF/GPRS communication module.
- Connect/Disconnect Load Relay



TECHNICAL SPECIFICATIONS

| | |
|------------------------|--|
| Confirms to | IS 13779, IEC 62052/ 53, CBIP Report No. 304 With latest amendments. |
| Accuracy Class | Class 1.0 |
| Reference Voltage | 3x240V AC (-40% to +20%) |
| Current Rating Ib (Im) | 10(60)A |
| Frequency Range | 50Hz +- 5% |
| Power Factor Range | 0(lag)-UPF-0(lead) |
| Starting Current | 0.2% Ib |
| Meter Constant | 1600 Pulses/kWh |
| Power Consumption | As per IS:13779:2020 |
| Display | LCD- 6+2 |

DISPLAY/RECORD PARAMETERS

| Auto Scroll Mode | Push ButtonMode |
|--|---|
| <p>Cumulative active energy in kWh for grid supply, Maximum demand of current month in kW with date & time for grid supply, Real date & time, Cumulative active energy in kWh for DG supply, MD for current month in kW with date & time for DG supply</p> <p>Note: Display parameter can be customized as per requirement</p> | <p>LCD check, Meter serial no., History of cumulative ative energy, (kWh) & MD (kW) with date & time for last six months for grid supply, History of cumutive active eneregy (kWh) & MD (kW) with date & time for last six months for DG supply</p> <p>Note: Display parameter can be customized as per requirement</p> |
| Tamper | Communication |
| Current reversal, DC/AC magnetic influence, Cover open | Optical communication as per IEC 62056- 21 Optically isolated RS232/RS485 part for data downloading, GSM/GPRS/RF communication IRDA communication (optional), Downloaded data can be used for on the spot billing |

1 PHASE, STATIC ENERGY METER

SALIENT FEATURES

- Compliance with IS: 13779 & CBIP Report No. 304 with latest amendments.
- State-of-the-art design with class 1.0 accuracy
- Liquid Crystal Display with Backlit
- 8 Digits including 2 decimal digity (9999999.9)
- Comprehensive tamper detection and tamper proofing measures
- LED/LCD indication for calibration, phase indication, earth load tamper and reverse tamper
- Display/Record cumulative active energy (kWh)
- TOD, MD, Load profile, PF indication
- Optical communication port
- Accurate energy registration in case of all tampers
- High resolution energy display mode for dial test
- Compact, sleek and packed in dust, moisture and shock proof (Ip51) polycarbonate enclosure.



TECHNICAL SPECIFICATIONS

| | |
|------------------------|--|
| Confirms to | IS 13779, IEC 62052/ 53, CBIP Report No. 304 With latest amendments. |
| Accuracy Class | Class 1.0 |
| Reference Voltage | 3x240V AC (-40% to +20%) |
| Current Rating Ib (Im) | 10(60)A |
| Frequency Range | 50Hz +- 5% |
| Power Factor Range | 0(lag)-UPF-0(lead) |
| Starting Current | 0.2% Ib |
| Meter Constant | 1600 Pulses/kWh |
| Power Consumption | As per IS:13779:2020 |
| Display | LCD- 6+2 |

DISPLAY/RECORD PARAMETERS

| Auto Scroll Mode | Push ButtonMode |
|--|--|
| <p>LCD check, Cumulative active energy in kWh, maximum demand in KW, instantaneous load in KW, real date & time, Instantaneous voltage, instantaneous current, power factor per phase, frequency, meter serial no.</p> <p>Note: Display parameter can be customized as per requirement</p> | <p>Real date & time, Instantaneous voltage, Instantaneous current, Instantaneous power factor, Instantaneous load (kW) Supply frequently, MD with date & time, Meter serial no.</p> <p>Note: Disoplay parameter can be customized as per requirement</p> |
| Tamper | Communication |
| Current reversal, DC/AC magnetic influence, Cover open | Optical communication as per IEC 62056- 21 Optically isolated RS232/RS485 part for data downloading, IRDA communication (optional), Downloaded data can be used for on the spot billing |



VEDANTAM
Infosolutions Private Limited



1 PHASE, STATIC ENERGY METER

SALIENT FEATURES

- Compliance with IS: 16444 & CBIP Report No. 304 with latest amendments.
- State-of-the-art design with class 1.0 accuracy
- Liquid Crystal Display with Backlit
- 8 Digits including 2 decimal digity (9999999.9)
- Measure the power consumption on two sources continuously. (DG set & Power grid)
- Comprehensive tamper detection and tamper proofing measures
- LED/LCD indication for calibration, phase indication, earth load
- tamper and reverse tamper
- Display/Record cumulative active energy (kWh)
- TOD, MD, Load profile, PF indication
- Forward energy registration in case of all tampers
- Inbuilt relays for auto cut-off up to Max.Load.
- Compact, sleek and packed in dust, moisture and shock proof (Ip51) polycarbonate enclosure.
- Option of plug & Play RF/GPRS communication module.
- Connect/Disconnect Load Relay

TECHNICAL SPECIFICATIONS

| | |
|------------------------|--|
| Confirms to | IS 13779, IS 16444, IEC 62052/ 53, CBIP Report No. 304 With latest amendments. |
| Accuracy Class | Class 1.0 |
| Reference Voltage | 3x240V AC (-40% to +20%) |
| Current Rating Ib (Im) | 10(60)A |
| Frequency Range | 50Hz +- 5% |
| Power Factor Range | 0(lag)-UPF-0(lead) |
| Starting Current | 0.2% Ib |
| Meter Constant | 1600 Pulses/kWh |
| Power Consumption | As per IS:13779:2020 |
| Display | LCD- 6+2 |

DISPLAY/RECORD PARAMETERS

| Auto Scroll Mode | Push ButtonMode |
|---|---|
| Cummulative active energy in kWh, Maximum demand for current month in kW with date & time, Real date & time Note: Display parameter can be customized as per requirement | LCD check, Meter serial no., History for last six months of active energy in kWh and maximum demand in kWh with date and & time Note: Display parameter can be customized as per requirement |
| Tamper | Communication |
| Current reversal, DC/AC magnetic influence, Cover open | Optical communication as per IEC 62056- 21 Optically isolated RS232/RS485 part for data downloading, GSM/GPRS/RF communication IRDA communication (optional). Downloaded data can be used for on-the-spot billing |



VEDANTAM
Infosolutions Private Limited

Contact Details

-  0522-4045466
-  INFO@VEDANTAMINFOSOLUTIONS.COM
-  WWW.VEDANTAMINFOSOLUTIONS.COM