

i-Credit 300 meets the present day need of utilities for an accurate, reliable and cost effective electronic meter for single phase consumers. It provides an affordable solution in a dynamic market through comprehensive and advanced functionalities. i-Credit 300 features intelligent revenue protection facilities for installations where tampering is prevalent.



Benefits

- Revenue protection even in case of wrong electrical connections
- Deficiency metering with either phase or neutral current
- Capability to display and communicate in absence of mains supply
- Manual reading errors eliminated through encryption code

Features

- Accuracy class - 1.0
- Backlit LCD display with user friendly legends
- High intensity LED for calibration and testing
- Time of day registration
- Maximum Demand recording
- Load profile recording
- Power factor calculation
- Historical billing information
- Optical communication port for local and remote data retrieval
- Forward energy registration in case of current reversal
- High resolution energy display mode for dial test
- Authenticated Billing Code (ABC)

Technical specifications

Electrical

Connection type	Direct connected
Wiring configuration	1 phase 2 wire
Voltage range	230/ 240 V (P-N), -40% to +30%
Current range	5-30 A, 10-60 A, 10-100 A
Metrological accuracy	Class 1.0
Mains Frequency	50 Hz \pm 5 %
Burden (voltage inputs)	As per relevant standards
Burden (current inputs)	As per relevant standards

Compliance

Standard	IS 13779, CBIP 88, IEC 62052-11, IEC 62053-21
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Mechanical

Dimensions (WxHxD)	135x168x68 mm
Weight	600 gms (Approx)
Enclosure	Engineering plastic
Sealing	Sealing screw provision

Environmental

Ingress protection	IP 51
Insulation class	As per IS 13779
Impulse withstand	As per IS 13779
Temperature	-10 °C to +60 °C (operating) -20 °C +80 °C (storage)
Humidity	95 % non-condensing

Programming and Features

Tariff Rates	Up to 4
MDs	Up to 2 types, configurable in 4 registers
Load Survey	Minimum 35 parameter days with 30 mins Integration Period
Communications	Optical 1107 port for local and remote