

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