



## Three Phase Smart Meter REGOR



- Complying to IS 16444 Part 1
- Full smart functionality
- Communication options including optical, RF and cellular
- Load connection/disconnection via relays in all phases
- Data logging for instantaneous, load survey, billing parameters and energy backups
- Tamper alerts available
- Event logging with active energy, voltage and current snaps available
- Power fail/restoration alerts (last gasp/first breath)

Specifications		Smart Features	
Connection	3 Phase 4 Wire	Alerts	Alert for power on/off, over voltage and over current
Standard Applicable	IS 16444 Part 1	Load control	Disconnection provided for: - Over-current and overload conditions - Selected tamperers - Disconnection signal from utility
Accuracy Class	CI 1.0	Relay	Provided in all 3 phases complying to IS15884 with UC1/UC2 Status available on display and data downloading Connection/ disconnection logged as events
Rated Voltage	3 x 240V (P-N)	Data security	Multi-level password for data reading and programming
Voltage Variation	-40% to +20%	Prepayment	Prepaid function as per IS15959 Part 2 (optional)
Current Rating	10-60 A 10-100 A	Communication	
Starting Current	0.2% of basic current	Technology options	- Optical port for local communication as per IS 15959 Part 2 - RF/cellular communication module with inbuilt/plug-in options
Accuracy up to	120% of maximum current	RF	- NAN communication over 865-867 MHz - Mesh based Low Power Radio (<1W transmitted power) - IPv6 communication - Gateway-based topology
Frequency	50Hz	Cellular	- WAN communication - NB-IoT/4G with fallback to 2G modem
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	<ul style="list-style-type: none"> <li>- Phase wise voltages</li> <li>- Phase wise currents</li> <li>- System power factor</li> <li>- Active power, reactive power and apparent power</li> <li>- Frequency</li> </ul>		
Energy Measurement	4 quadrant measurement of kWh, kVArh, 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		
LCD Indicators	Indication for relay status and tamperers		
Display mode	Auto scroll, push button and high resolution modes		
LED	Pulse LEDs for kWh and KVArh		

