

## A 1641 HT POLYPHASE ABT METER

The A 1641 meter is the latest in the family of the Alpha series. This is a Static Polyphase Energy meter with internal registers that collects, processes & stores energy usage and demand data on a TOD (Time of Day) basis or demand basis.

The new series A 1641 is available for ABT applications with Accuracy Class 0.2 s

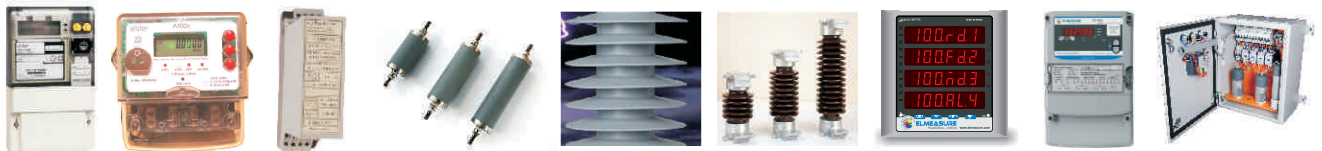
Features:

- ✘ High accuracy and stability
- ✘ Suitable for 3 wire and 4 wire applications ✘ Accuracy class 0.2 s
- ✘ Meets IS 14697/IS 15959/ Latest CBIP DLMS protocol
- ✘ Measurement of Active, Reactive and Apparent energy and demand (any 4 demands at a time)
- ✘ ABT parameters (e.g. kWh Net, kVARh High, kVARh Low, Average Frequency etc.)
- ✘ Non Volatile memory for data storage in the event of supply failure
- ✘ Four quadrant measurement ( Active ,Reactive, 4 quadrant)
- ✘ Load survey data recording (Including ABT)
- ✘ Remote communication features (optional)- LPRF/RS232/RS485
- ✘ Extensive Tamper detection/recording facility ✘ Immunity to 35 KV and Jammer
- ✘ Cumulative event recording ✘ System instrumentation
- ✘ 12 months billing History ✘ Projection Mounted design / Panel/Flush Mounting design



System	3 Phase 4 Wire
System Voltage	3x63.5V AC ( Phase to Neutral) 3x110 VAC ( Phase to Phase)
Applicable Standards	IS 14697/IS 15959/CBIP 304
Current Rating	1A/5A
Rated Maximum current	120% I basic or 200% I basic
Starting Current Nominal Frequency	0.1% of Ib 50 Hz
Accuracy class	0.2s
Operating Range	
Voltage Frequency	+20% to -40% Vref 50Hz +/- 5%
Temperature Humidity	-40 °C to +60 °C up to 100% RH
Insulation resistance	>100 Mega Ohms
Impulse Voltage	6KV/1.2/50µsec ( Optional 10 KV /1.2/50µsec)
AC Voltage	2.5 KV rms @ 50 Hz,60 seconds
Voltage circuit Burden	As per relevant standards
Current Circuit Burden	As per relevant standards
Display and Display Parameters	
	Single 96 segment 8 digit backlit LC Display
	Display parameters are RMS voltage & Currents, PF, Frequency, KW, KVA, KVAR, kWh, KVAh, KVARh (Lag) KVARh (Lead) Optional Import & Export ABT Parameters
	*MD KW/*MD KVA/*MD KVAR ( LAG)/ *MD KVAR ( LEAD) -----*Any 4 MD can be configured
	TOD wise display of demand
	Energy Parameters
	Up to 12 months Billing
Demand Integration Period	Programmable from 1 to 60 minutes
Mechanical Details Weight	294(H) x 200(W) x 103(D) in mm Approx. 2.5 Kg

**OTHER PRODUCTS**



## A 1621 HT POLYPHASE METER

The A 1621 meter is the latest in the family of the Alpha series. This is a Static Polyphase Energy meter with internal registers that collects, processes & stores energy usage and demand data on a TOD (Time of Day) basis or demand basis.

The new series A 1621 is available for HT applications with Accuracy Class 0.2s / 0.5s.

### Features:

- ✓ High accuracy and stability ✓ Suitable for 3 wire and 4 wire applications
- ✓ Accuracy class 0.2s / 0.5s class ✓ Meets IS 14697/IS 15959/latest CBIP
- ✓ DLMS protocol
- ✓ Measurement of Active, Reactive and Apparent energy and demand ( any 4 demands at a time)
- ✓ Non Volatile memory for data storage in the event of supply failure
- ✓ Four quadrant measurement (Active, Reactive, 4 quadrant)
- ✓ Load survey data recording ✓ 12 months billing History
- ✓ Remote communication features (optional)- LPRF/RS232/RS485
- ✓ Extensive Tamper detection/recording facility ✓ Immune to 35KV and Jammer
- ✓ Cumulative event recording ✓ System instrumentation
- ✓ Projection Mounted design / Panel/Flush Mounting design



## A 1630 CT / PT OPERATOR & WHOLE CURRENT METER

System	: 3 Phase 4 Wire CT / PT Operated, 3 Phase 4 Wire Whole current
System Voltage	: 3 x 415V AC (P - P), 3 x 240V (P - N)
Current Rating	: For CT Operated -/5A (Ib - 5A) For Whole Current (Ib-10A, I <sub>max</sub> 60 A) and (Ib-20/50 A, I <sub>max</sub> 100 A)
Rated Maximum Current	: For CT Operated -/10A For Whole Current 60 A, 100 A
Starting Current	: 0.1% or 0.4%
Nominal Frequency	: 50 Hz Accuracy Class : 0.5S/1.0
Applicable standards	: IS & CBIP 88, DLMS compliant as per IS 15959:2011
Operating range	: Voltage -40% to +20% Frequency ±10% Temperature 0°C to 60°C Humidity Up to 100% RH (Non-condensing)
Insulation Resistance	: > 200 Mega Ohms Impulse Voltage : 6kV / 1.2 x 50 μSeconds
AC Voltage	: 2.5 kV RMS @ 50 Hz for 60 seconds
Display parameters	: As per Customers requirements
Demand integration period	: Programmable from 1 to 60 minutes
Mechanical details	: Refer the drawing for dimensional details

Authorised Channel Partner for:



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