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Electric



 Price List

# Power Monitoring Solutions Metering Products

With effect from December 21, 2015

DEALER








**TENCO GROUP**

Mobile: +91 982-671-9220 Website: [www.tencogroup.net](http://www.tencogroup.net)

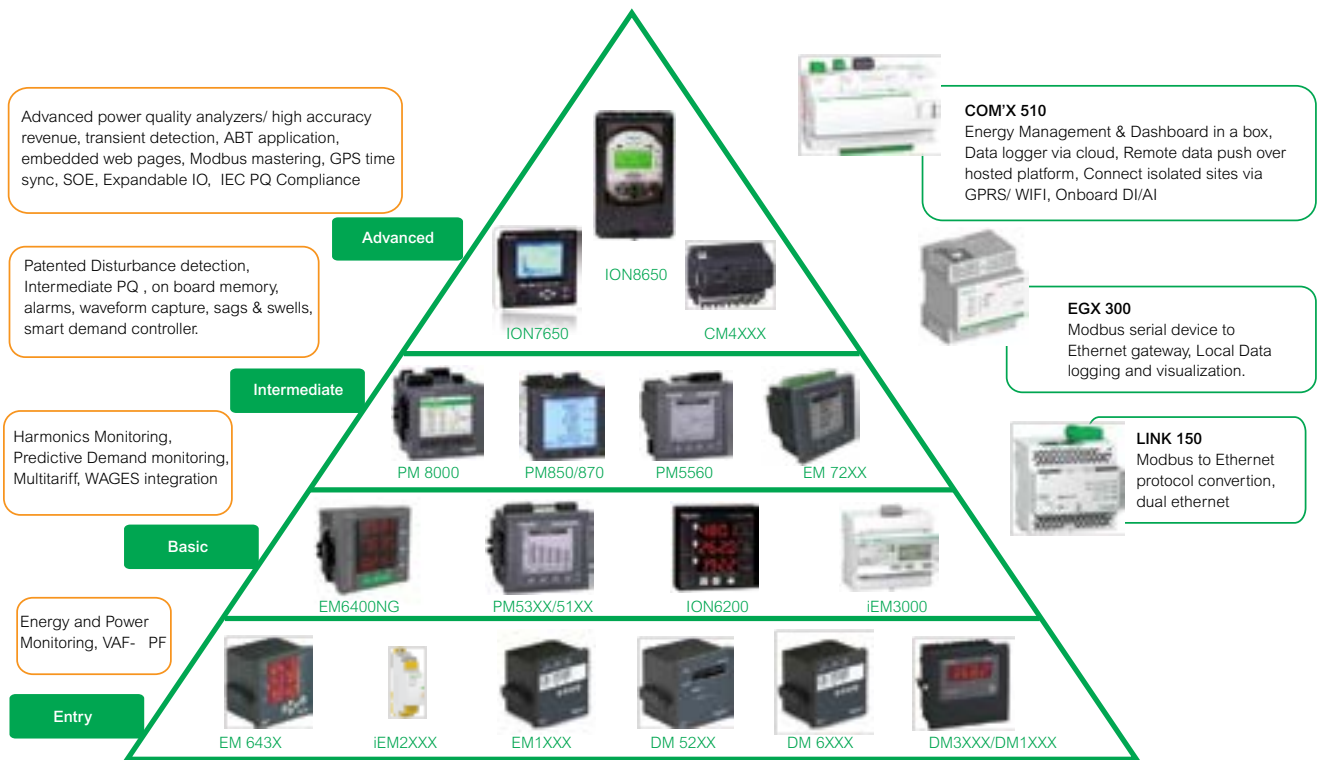


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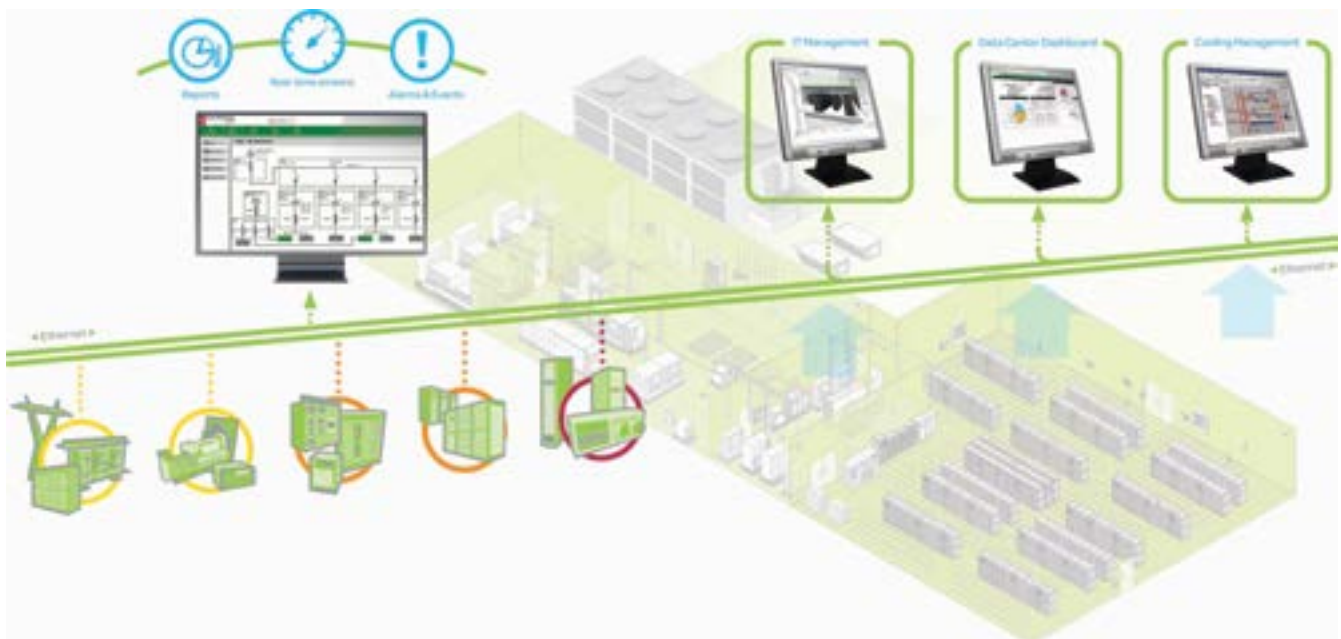


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# Power Monitoring Offer



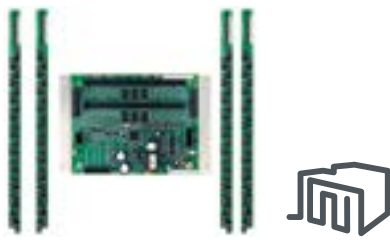
## Optimizing the electrical network with Data Driven decision through *Energy Management Software*



- > Acts like a layer of intelligence on top of all energy assets
- > Integrate your entire facility, campus or service area
- > Gives you the tools to monitor, analyze and control your entire power distribution network

# Tailored Offers for Specific Applications and Segments

## Branch Circuit Power Monitor



- > BCPM A/B/C variants
- > Split or solid core CTs
- > 24 / 36/ 42 / 48 / 72 / 84 channels configuration

## BCPM

\*Price on Request

### The BCPM Provides DataCenter Managers with Information to

**Maximize uptime and avoid outages** through advanced alarming capabilities

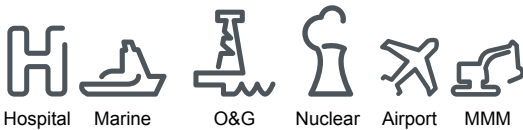
- > Set sensitivity parameters so an alarm is triggered when current approaches any breaker limit
- > Alarms distinguish between past events and alarm states that are still occurring
- > Analyze the alarm history to assess areas that may need additional capacity to prevent issues

**Effectively plan future infrastructure needs** by providing historical usage data, to ensure that new infrastructure projects are sized correctly

- > Track usage at the circuit level
- > Develop reports on historical usage patterns
- > Use reporting to accurately predict future needs

### Easily allocate costs

- > Allocate costs based on per rack energy consumption
- > Track usage patterns and determine areas of potential savings
- > Create ongoing reporting structures to effectively manage costs



## Insulation Monitoring Devices

\*Price on Request

### Vigilohm Range of Insulation Monitoring Devices

**Used in IT earthing arrangements, this solution**

- > Guarantees process continuity in case of earth fault,
- > Improves staff and process safety, and
- > Optimizes maintenance.

### Can be used in 3 levels of insulation monitoring

- Level 1 : fault detection and signalling, manual fault location (all IMDs)
- Level 2 : automatic fault location
- Level 3 : feeder measurement + communication

### Key features

- > Fault detection and signalling
- > Insulation resistance value display
- > Transformer monitoring (current and temperature)
- > Modbus communication
- > Alarm log
- > Insulation fault remote indicator (audible & visual)
- > Electrical fault (transformer overload or circuit breaker tripping ) remote indicator (audible & visual)
- > IEC 60364-4-41 : Electrical standards in buildings
- > IEC 61557-8 : Insulation Monitoring Devices in IT earthing arrangement
- > IEC 61557-9 : Equipment for insulation fault location in IT earthing arrangements



## CM4000

\*Price on Request

### High Performance Meters for Mains or Critical Loads on HV/LV Networks - PowerLogic CM4000T

**The CM4000T circuit monitors deliver the information needed to improve power system reliability and minimize unplanned downtime.**

The circuit monitors provide accurate and fast alarm detection and multiple levels of information on each power quality event to help you pinpoint the source of a problem, including:

- > 100,000 samples per cycle at 50 Hz for high-speed transient detection to help quantify the frequency and severity of transient activity including magnitude, duration, phase, and stress factor
- > Power quality and alarm summary and trending
- > Disturbance direction detection
- > Harmonic power flows
- > Flicker monitoring
- > Four types of waveform capture
- > 100 ms and cycle-by-cycle event recording capacitor switching transients and sub-cycle transfer switch operations, non-periodic notching of the waveform & loads turning on or off
- > EN50160 compliance monitoring



# High Accuracy, Specialized Solutions - for MV/LV Distribution



## PowerLogic™ ION 7650 / 7550

\*Price on Request

- > **Summarize power quality, set targets**, measure and verify results
- > **Modbus Master functionality** to read from downstream Modbus devices and view it via the front panel
- > **IEC 61850 protocol** to increase interoperability & decrease engineering time
- > **Gateway functionality** to access downstream meters' readings through ethernet
- > **Detect and capture transients** as short as 20µs at 50Hz (17µs at 60 Hz)
- > **Power quality compliance monitoring** IEC 61000-4-30 class A ed. 2, EN50160, IEC 61000-4-7, IEC 61000-4-15, IEEE 519, IEEE 1159, and CBEMA/ITIC
- > **Evaluate flicker** based on IEC 61000-4-15 and IEEE 1453
- > **Detect wave-form changes** & record ultra-fast electrical parameters every 100 m.s.
- > **Trend curves and short-term forecasting** of upcoming values for better decisions
- > **Disturbance direction detection** with results captured in the event log, with a timestamp and certainty level
- > **Alarm set-point learning** & alarm notification via email



Utility/ABT meter



8650

## PowerLogic™ ION 8800 / 8650

\*Price on Request

- > **Utility grade accurate metering** with IEC 62053-22/23 Class 0,2S with 1024 samples / cycle
- > **Power quality compliance monitoring** for IEC 61000-4-30 Class A/S, EN50160, IEC 61000-4-7, IEC 61000-4-15, IEEE 1159, IEEE 519
- > **Power quality measurements** with Individual Harmonics, sag – swell, transient detection, waveform analysis & logging
- > **Digital fault recording** by capturing voltage and current channels simultaneously for sub-cycle disturbances
- > **Complete communications** through IEC1107 optical port or the optional communications module that supports concurrent Ethernet, serial, and modem communications
- > **Transformer/line loss compensation** for system losses in real time directly in the meter
- > **Instrument transformer correction** to save money and improve accuracy by correcting for less accurate transformers.



## PowerLogic™ PM8000 Series Power Quality Analyser

Patent disturbance detection capability with Sag/Swell \*Price on Request

/ Waveform capture technology

- > **Ideal** for high energy users
- > **Revenue accuracy** of Class 0.2S IEC 62053-22
- > **High Sampling rate** of 256 Samples / Cycle , Waveform recording, sag/swell monitoring
- > **Modbus Master** with Single RS485 port & Dual Ethernet
- > **512MB of standard** non-volatile memory for Data and event logging
- > **Harmonics Analysis** upto 63rd for Voltage & current
- > **GPS clock (RS485)** or IRIG-B (digital input)
- > **01 Serial port** (Modbus, ION, DNP3) , Dual Ethernet port (Modbus/TCP, ION TCP, DNP3 TCP, IEC 61850 )
- > **Standard Digital Input**, Expandable Digital IO, Analog IO

## PowerLogic™ Additional Offers

\*Price on Request



Portable CT's with RS4B5



CT's



# High Accuracy, Specialized Solutions- for MV/LV Distribution



## PowerLogic™ PM800 Series Power Meters

- > **PM870** with power quality compliance evaluation to the EN50160-IT1(CBEMA)/SEMI F-47 standards, Configurable Waveform capture with timestamp, Sag and Swell detection (V&I), Trending /Forecasting, 63rd Ind Harmonics (measured), Time Stamped Alarms, Maximum Alarms (40 Standard, 12 Digital, 10 Boolean & 12 Disturbance Alarms), Data Logs/Event Logs Memory (800Kb)
- > **PM850** with power quality compliance evaluation to the EN50160-IT1(CBEMA)/SEMI F-47 standards, Waveform capture with timestamp, Trending/Forecasting, 63rd Ind Harmonics (measured), Time Stamped Alarms, Maximum Alarms (40 Standard, 12 Digital, 10 Boolean & 12 Disturbance Alarms), Data Logs/Event Logs Memory (800Kb)
- > **PM820** with 31 Ind Harmonics (measured), Data Logs/Event Logs Memory(80Kb), Time Stamped Alarms, Maximum Alarms(40 Standard & 12 Digital)
- > **PM810** with maximum 40 Standard & 12 Digital Alarms. Individual Harmonics up to 31st in PM810MG (with Log module)

### Common features

- > IEC61557-12 performance standard (PMD/SD/K70/0.5 and PMD/SS/K70/0.5)
- > ANSI 12.20 Class 0.2S and IEC 62053-22 Class 0.5S accuracy for active energy
- > WAGES metering up to 5 channels with pulse counters
- > 1 Digital Input +1 Digital Output, Time Stamped Min/Max, THD, Modbus RS485 Port, Aux Supply: 110-415V AC/125-250V DC, CT Sec: 1A/5A, Input Voltage: 0-600V AC / 0-340V AC (Direct) or 0-3 2 MV AC by External VT

Product	Reference		Unit LP [₹]
PM 870	PM870MG		78030
PM 850	PM850MG		54101
PM 820	PM820MG	☑	38513
PM 810	PM810MG	☑	30457

Product	Description	Reference	Unit LP [₹]
PM8-optional module	2 Relay O/P, 2DI, 2AI, 2AO	PM8M2222	15190
PM8-optional module	Ethernet module	PM8ECC	13317
PM8-optional module	Data logging module	PM810LOG	12277
PM8-optional module	2 Relay O/P, 6DI	PM8M26	8629
PM8-optional module	2 Relay O/P, 2DI	PM8M22	8323



Upgraded

## Smart Demand Controller - EM7200 Series

- > Accuracy class **0.2S, 0.5S and Class 1.0** per IEC 62053 21/22
- > **CE / UL** Certification as per IEC / UL61010 1 Ed 3
- > Versatile and fully user programmable, suitable for HT/LT with any CT/PT
- > 2 Digital inputs **3 Form C Relay outputs** for control
- > **TOU** for time enabled tariff users and auto resetting of energy parameters - weekdays, weekends, public holidays & offs.
- > **Import / Export** option enables monitoring of bi-directional power flow (also called 4 - quadrant measurement)
- > Utility meter cross check
- > **19 demand profile** settings for optimal demand planning
- > THD and individual harmonics up-to 15th
- > **Predictive demand**, present demand, max demand with date/time stamp. 4 peaks and 4 lows

Product	Description	Reference	Unit LP [₹]
EM 7290	Demand Controller CI0.2S with RS485 Port	30002975	49994
EM 7280	Demand Controller CI0.5S with RS485 Port	30002198	39000
EM 7230	Demand Controller CI1.0S with RS485 Port	30002055	36000

# High Accuracy, Compact, Power Meters - for HV/MV/LV Distribution



Residential



Industry



Building



Datacentre

## PowerLogic™ PM5000 Series Power Meters

- > IEC 61557-12 IEC for PMD (Power Measurement Devices)
- > **Accuracy** - Class 0.5S (PM51xx, PM53xx) and Class 0.2S (PM5560) - IEC Specifications
- > **4th CT** for neutral and ground current measurement (PM5560)
- > **Dual Ethernet** ports for daisy chain communication (PM5560)
- > **Internal webpage** (PM5560)
- > **Individual Harmonics** up-to 63rd (PM5560), 31st (PM53xx) & 15th (PM51xx) THD, TDD
- > **Multi-tariff** Schedules 4 tariffs (PM53xx) & 8 tariffs (PM5560)
- > **Two Relay outputs** for circuit breaker monitoring & control (PM5330, PM5340)
- > **WAGES Monitoring** (PM53xx, PM55xx)
- > **Logging** memory (PM53xx, PM5560)
- > **Peak demand** with time stamping D/T for current and powers (PM53xx, PM5560)
- > **Import / Export** measurement, also called as 4 – quadrant measurement (All models)
- > **Demand prediction** based on sliding, fixed and rolling block, thermal methods (All models)
- > **Battery backed up** Real Time Clock (All models)
- > **Meter Insight-Through QR code**

Product	Description	Reference		Unit LP [₹]
PM 5560	Cl0.2S, 2 Ethernet + 1 RS485 Port, 4th CT, Webpage, 63rd Harmonic (magnitude & direction), 52 alarms, 4 DI, 2 DO, 8 multi tariff, 128 samples / cycle	30003008D		57525
PM 5340	Class 0.5S, 1 Ethernet, 31st harmonic, 2 DI, 2 DO, 2 RO, 35 Alarms, Data logging, 64samples / cycle	30003007D		34347
PM 5320	Class 0.5S, 1 Ethernet, 31st harmonic, 2 DI, 2 DO, 35 Alarms, Data logging, 64samples / cycle	30003005D		32013
PM 5330	Class 0.5S, RS485 Port, 31st harmonic, 2 DI, 2 DO, 2 RO, 35 Alarms, Data logging, 64samples / cycle	30003006D		27930
PM 5310	Class 0.5S, RS485 Port., 31st harmonic, 2 DI, 2 DO, 35 Alarms, Data logging, 64samples / cycle	30003003D		26530
PM 5110	Class 0.5S, RS485 Port, 1 pulse output, 15th harmonic, 33 Alarms, 64samples / cycle	30003004D	☑	23100
PM 5100	Class 0.5S, 1 pulse output, 15th harmonic, 33 Alarms, 64 samples / cycle, 64samples / cycle	30003002D		18188



# DIN Rail Mount Meters - Accurate, Flexible Power Meters

Schneider Electric's new DIN rail mount meters are compact, versatile, high performance devices that confirm to exacting IEC standards with the added benefits of being i. Easy to install ii. Easy to modify and iii. Easy to maintain



## PowerLogic™ PM3200 Series CI 0.5S Power Meters - MV / LV Distribution

- > **Know network health through** all measurement parameters (I, In, U, V, PQS, E, PF, Hz, THD)
- > **Four-quadrant metering to differentiate energy**
  - Target green technologies (delivered/received)
  - Help reduce utility penalties (active/reactive)
- > **Up to 4 different time slots to manage multiple tariffs**
  - Peak, off-peak, workday, weekend
- > **DI/DO provide access to other areas of the electrical network & allow for more applications**
  - WAGES counting, remote reset, tariff control and energy pulse outputs
  - status input (circuit breaker trip or panel door opening), DO alarm for sound or light alert
- > **Data logging (PM3255)**
  - Save last 32 days, last 20 weeks and last 13 months consumption data in separate registers
  - Longer historical record helps create an accurate load profile, making benchmarking and trending easier

Product	Reference	Unit LP [₹]
PM 3255	METSEPM3255	15976
PM 3210	METSEPM3210	14560



iEM31xx: 63A direct connect - CI1.0  
iEM32xx: 1A / 5A CT connect - CI0.55  
iEM33xx: 125A direct connect - CI1.0



iEM2010

## PowerLogic™ iEM3000 Series Class Meters - LV Distribution

iEM3110  
iEM3210  
iEM3310

- > Total kWh
- > Partial kWh + date and time of last reset
- > Pulse output up to 1000pulse/kWh
- > 1 Digital Out
- > Date and time of last reset
- > MID legal metrology certification

iEM3150  
iEM3250  
iEM3350

- > Modbus
- > Total kWh
- > Partial kWh + date and time of last reset
- > Self powered
- > By communication: kWh, A, V, kW, PF

iEM3165, 3175  
iEM32765, 3175  
iEM3355

- > Modbus
- > Total kWh, kVAr
- > Four quadrant
- > Partial kWh+ date and time of last reset
- > By communication: kWh, kVArh, P,Q, S, Kv, PF, 4 tariffs, digital input status, date/clock
- > 1 DI for circuit breaker status, input WAGES, 1 DO

## iEM 33xx - CI1.0 , Direct current 125 A , Din Rail Meter

Product	Description	Reference	Unit LP [₹]
iEM33xx	Three Phase, 125A Direct Current, Lonwork	A9MEM3375	20951
iEM33xx	Three Phase, 125A Direct Current, BACnet	A9MEM3365	19470
iEM33xx	Three Phase, 125A Direct Current, Modbus	A9MEM3350	16567
iEM33xx	Three Phase, 125A Direct Current, Pulse O/P	A9MEM3310	15630

## Three phase CT Operated, Din Rail Meter / Direct Current-Three phase (upto 63A)

Product	iEM 32xx CI0.5SCT		iEM 31xx CI1.0 - Direct current	
	Reference	Unit LP [₹]	Reference	Unit LP [₹]
iEM 3x65	A9MEM3265	16876	A9MEM3165	16374
iEM 3x55	A9MEM3255	15258	A9MEM3155	13069
iEM 3x50	A9MEM3250	11093	A9MEM3150	12335
iEM 3x10	A9MEM3210	10161	A9MEM3110	11292

## Direct Current-Single phase (upto 40A) , Din Rail Meter

Product	Description	Reference	Unit LP [₹]
iEM 2010	Single Phase Energy Meter upto 40A, POP with counter display	A9MEM2010	5165
iEM 2000T	Single Phase Energy Meter upto 40A, POP without display	A9MEM2000T	4595

# Ethernet Communication Gateways and Meters



PM5560

ECC21

From a single building, to a multi-site enterprise, the Schneider Electric gateways provides fast, reliable Ethernet connectivity in the most demanding applications: Energy management, Power distribution, Building automation & Factory automation






PM870+PM8ECC

## Ethernet – TCP/IP Protocol Meters & Accessories

Product	Description	Reference	Unit LP [₹]
ION Products	ION 8800, ION 8650, ION 7650, ION 7550, PM8000 with Ethernet		On Request
ECC21	PowerLogic High Speed Ethernet card for CM4000T series	ECC21	78948
PM 5560	Two Ethernet ports with single IP, Class 0.2S, Web dashboard	30003008D	57525
PM 5340	One Ethernet port, 2 Digital Inputs, 2 Digital Outputs, 2 Relays	30003007D	34347
PM 5320	One Ethernet port, 2 Digital Inputs, 2 Digital Outputs	30003005D	32013

## Ethernet Communication Gateway Server / Converters

Com'X 510 Gateway Server	EGX300 – Gateway Device	LINK150 Protocol Converter
 <ul style="list-style-type: none"> <li>&gt; Dual Ethernet</li> <li>&gt; Onboard storage</li> <li>&gt; Wireless WiFi / GPRS Support</li> <li>&gt; Cloud hosted platform</li> <li>&gt; Local and Customized Web pages with trending and dashboard visualization</li> <li>&gt; Modbus Gateway</li> <li>&gt; On-Board 6 DI, 2 AI</li> </ul>	 <ul style="list-style-type: none"> <li>&gt; 1 Ethernet port (10/100 Base T)</li> <li>&gt; Inbuilt web dashboard</li> <li>&gt; Custom web page Support</li> <li>&gt; Real-time trending</li> <li>&gt; Device discovery</li> <li>&gt; TCP/IP, SNMP, SNTIP, SMTP protocol</li> <li>&gt; Aux Supply 24 V DC</li> </ul>	 <ul style="list-style-type: none"> <li>&gt; Protocol Converter from Modbus RS485 to TCP/IP</li> <li>&gt; Two (2) Ethernet ports for daisy chain Ethernet</li> <li>&gt; Setup through built-in web pages</li> <li>&gt; HTTP, HTTPS, FTP, SMTP, IPV6 Support</li> <li>&gt; 24V DC and/ or POE power supply</li> </ul>

Product	Description	Reference	Unit LP [₹]
Com'X510	Energy Gateway Server – EMS in a BOX	EBX510	44970
EGX300	Gateway Server	30002885	29800
Link150	Protocol Converter	EGX150	28750
Wi-fi USB Stick	Wi-fi USB stick for Com'X	EBXA-USB-WiFi	3955
GPRS	GPRS modem without SIM for Com'X	EBXA-GPRS	5440
GPRS Antenna	External GPRS antenna for Com'X	EBXA-ANT-5M	3223

# India's Most Trusted, Reliable and Accurate Multifunction Meters



## Conzerv EM6400NG Series, The Next Generation Workhorse

Multifunction Energy meter with NextGen features like Harmonics & Min/Max Monitoring, Digital security

- > **Energy Standard** – Class 0.2/0.5S/1 as per IEC 62053-22 / 21
- > **Power quality analysis** with THD & individual harmonics upto 15th over communication
- > **13 different wiring** configuration scheme
- > **Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interupts, Preloaded Demand & Import /Export**
- > **Min/Max Monitoring** with Date/Time stamping
- > **Calibration LED** and Heart beat LED for communication Status
- > **Communication** : POP or RS485 port

Product	Reference	Unit LP [₹]
EM6400NG RS485 CI 0.2	METSEEM6400NGRSCL2	27293
EM6400NG RS485 CI 0.5S	METSEEM6400NGRSCL5	22800
EM6400NG RS485 CI 1.0	METSEEM6400NGRSCL1	17996
EM6400NG POP CI 0.5S	METSEEM6400NGPOCL5	15589
EM6400NG POP CI 1.0	METSEEM6400NGPOCL1	14114



India's No.1 selling panel meter that pioneered communication and power quality measurements - EM6400 - Load Manager & EM6436 - Load Monitor

### EM 6400 - Multi Function Meter - Load Manager

- > Accuracy CI1.0, CI0.5, CI0.2
  - > Aux Supply - 44 to 300V ac/dc
- Parameters - Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs Interupts, Optional Demand & IE

Product	Description	Reference		Unit LP [₹]
<b>Class 0.2 Variants</b>				
EM6400	EM6400 IE DM 1A 0.2 RS	30002925		35718
EM6400	EM6400 IE DM 5A 0.2 RS	30002923		35718
EM6400	EM6400 5A 0.2	30002913		19157
EM6400	EM6400 0.2 RS	30002914		25467
<b>Class 0.5S &amp; Class 0.5 Variants</b>				
EM6400	EM6400 DM 0.5 RS	30002001	☑	27924
EM6400	EM6400 0.5 RS	30002019	☑	22534
EM6400	EM6400 1A 0.5S RS	30002036		20166
EM6400	EM6400 5A 0.5S RS	30002051		20166
EM6400	EM6400 1A 0.5S	30002034		15530
EM6400	EM6400 5A 0.5S	30002050		15530
EM6400	EM6400 0.5	30002022	☑	14404
<b>Class 1 Variants</b>				
EM6400	EM6400 DM 1.0 RS	30002002	☑	27369
EM6400	EM6400 1.0 RS	30002012	☑	17859
EM6400	EM6400 1.0	30002021	☑	13626

#### Note:

<b>IE</b>	Import/Export
<b>RS</b>	Rs 485 Port
<b>DM</b>	Demand
<b>Accuracy</b>	CI0.2/CI0.5/1.0

# India's Most Trusted, Reliable and Accurate Multifunction Meters



India's No. 1 selling panel meter that pioneered communication and power quality measurements - EM6400 - Load Manager & EM6436 - Load Monitor

## EM 6436 - Entry-level Multi Function Meter - Load Monitor

- > Accuracy CI1.0, CI0.5, CI0.2
- > Aux Supply - 44 to 300Vac/dc
- > Parameters - Volts, Amps, F, PF, W/VA, Wh /VAh, Runhrs, Onhrs & Interrupts

Product	Description	Reference		Unit LP [₹]
EM6436	EM6436 1A 0.2 RS	30002931		16258
EM6436	EM6436 5A 0.2 RS	30002933		16258
EM6436	EM6436 1A 0.2	30002206		14146
EM6436	EM6436 5A 0.5S RS	30002205		12240
EM6436	EM6436 0.5 RS	30002015	☑	11621
EM6436	EM6436 5A 0.5S	30002204		10852
EM6436	EM6436 0.5	30002201		10469
EM6436	EM6436 1.0 RS	30001999	☑	10154
EM6436	EM6436 1.0	30001994	☑	8656



## EM 6434 - Power & Energy Meter

- > Accuracy CI1.0, CI0.5
- > Aux Supply - 44 to 300Vac/dc
- > Parameters - Amps, W/VA, Wh /VAh, Onhrs & Interrupts

Product	Description	Reference		Unit LP [₹]
EM6434	EM6434 5A 0.55 RS	30002199		13009
EM6434	EM6434 0.5 RS	30002033		12443
EM6434	EM6434 1.0 RS	30002017	☑	10210



## EM 6433 - Energy Meter

- > Accuracy CI1.0, CI0.5, CI0.2
- > Aux Supply - 44 to 300Vac/dc
- > Parameters - Amps, W/VA, Wh /VAh, Runhrs, Onhrs & Interrupts

Product	Description	Reference		Unit LP [₹]
EM6433	EM6433 1A 0.5S RS	30002336		7075
EM6433	EM6433 5A 0.5S RS	30002436		7075
EM6433	EM6433 0.5 RS	30002000	☑	7051
EM6433	EM6433 1.0 RS	30002016	☑	6747



## EM6459 Series - VAF, PF Meters

- > Accuracy CI1.0, CI0.5, CI0.2
- > Aux Supply - 44 to 300Vac/dc
- > Parameters - Amps, Volts, Freq, PF, RPM, %Load, %Unbal, Amp phase angle

Product	Description	Reference		Unit LP [₹]
EM6459	EM6459 1A 0.55 RS	30002223		8343
EM6459	EM6459 5A 0.5S	30002224		6491
EM6459	EM6459 1A 0.5S	30002222		6437
EM6459	EM6459 0.5 RS	30002221		8262
EM6459	EM6459 0.5	30002220		6207
EM6459	EM6459 1.0 RS	30001804	☑	7556
EM6459	EM6459 1.0	30002008	☑	5537

# Dual Source Meters - Energy & Entry Level Multi Function



The EM 6436Dual Source and the dedicated Dual Source 6438

## EM 6436Dual – Dual Source Entry Level Multi Function Meter

- > Accuracy C11.0, C10.5, C10.2
- > Aux Supply - 44 to 300Vac/dc
- > Parameters - EB & DG side Power & Energy parameters, Volts, Amps, F, PF, OnHrs, Runhrs & Optional Demand parameters

Product	Description	Reference	Unit LP [₹]
EM6436	EM6436dual DM 0.5 RS	30002438	20959
EM6436	EM6436dual 0.5 RS	30002278	16909
EM6436	EM6436dual DM 1.0 RS	30002351	18928
EM6436	EM6436dual 1.0 RS	30002277	15292
EM6436	EM6436dual 1.0	30002306	12263



## EM 6438 – Dual Source Energy Meter

- > Accuracy C11.0, C10.5
- > Aux Supply - 44-300Vac/dc
- > Parameters - EB & DG side Power & Energy parameters, Runhrs, OnHrs & Optional Demand parameters

Product	Description	Reference	Unit LP [₹]
EM6438	EM6438 DM 0.5 RS	30002437	13100
EM6438	EM6438 0.5 RS	30002269	7580
EM6438	EM6438 DM 1.0 RS	30002305	11525
EM6438	EM6438 1.0 RS	30002026	7035

# Specialized Small Form Factor Meters - ELF Series



## ELF32xx Series - VAF, Power & Energy Meters

- > Accuracy C11.0, C10.5
- > Aux Supply - 80 to 270Vac
- > Size - 96X48mm
- > Parameters - VAF, W/VA/VAr/PF
  - ELF3259 - VAF meter
  - ELF3234 - W/VA/VAr/PF
  - ELF3234\_3 - W/VA/VAr & PF

Product	Description	Reference	Unit LP [₹]
ELF3234-3	ELF3234-3 0.5	30000619	6660
ELF3234	ELF3234 0.5	30000621	5700
ELF3259	ELF3259 0.5	30000620	2860
ELF3234-3	ELF3234-3 1.0	30000409	5320
ELF3234	ELF3234 1.0	30000859	4558
ELF3259	ELF3259 1.0	30000860	2281



# Specialized Counter Energy Meters- Conzerv™ DM52xx



## \*Conzerv™ DM52xx

- > Accuracy CI1.0, CI0.5, CI0.2
- > Pulse output – for effective WAGES tracking on EMS systems
- > 3P4W & 3P3W wiring options

Product	Description		Unit LP [₹]
DM5240	Energy Meter 3P4W 1.0 POP	<input checked="" type="checkbox"/>	4344
DM5240	Energy Meter 3P4W 0.5 POP		5151
DM5230	Energy Meter 3P3W 1.0 POP		3984
DM5230	Energy Meter 3P3W 0.5 POP		4781

\*Reference code based on detailed specification, please check with local Representative

## LCD Display Energy Meters & VAF+PF Meters



High durability, sleek LCD display energy & VAF+PF meters

### EM1000 / EM1200 Series

- > Accuracy CI0.5, CI1.0
- > **Parameters** - KW, kWh & PF
- > **Pulse output** - for basic tracking on EMS systems
- > **RS 485** - for native integration into EMS

Product	Description	Reference		Unit LP [₹]
EM1200	EM1200 0.5 RS	30002572		4576
EM1000	EM1000 0.5 POP	30002571		3928
EM1200	EM1200 1.0 RS	30002565	<input checked="" type="checkbox"/>	3772
EM1000	EM1000 1.0 POP	30002568	<input checked="" type="checkbox"/>	3106



### DM 6100 Series – VAF, PF Meters

- > Accuracy CI0.5, CI1.0
- > **DM6100** - VAF, PF meter
- > **DM6300** - VAF, PF meter with RS 485 port

Product	Description	Reference		Unit LP [₹]
DM6300	DM6300 0.5 RS	30002570		3735
DM6100	DM6100 0.5	30002569		2948
DM6300	DM6300 1.0 RS	30002566		3557
DM6100	DM6100 1.0	30002567	<input checked="" type="checkbox"/>	2808

## CE compliance- Volt/Amp/ frequency meter



### EasyLogic™ DM3000 / DM1000

- > **CE compliance** as per latest IEC 61010-1
- > **50Hz** or 60Hz
- > **AC or DC** control power
- > **LED indicators** for phase identification in 3-ph meters
- > **Plus all features** of Conzerv range DM3000 / DM1000

Product	Description	Reference		Unit LP [₹]
DM3210	Three phase Voltmeter 0.5	METSEDM3210		2498
DM3110	Three phase Ammeter 0.5	METSEDM3110		2498
DM1210	Single phase Voltmeter 0.5	METSEDM1210		1695
DM1110	Single phase Ammeter 0.5	METSEDM1110		1695
DM1310	Frequency meter 0.2	METSEDM1310		1290

# Just the Basics - Voltage / Ampere / Frequency Meters



## Conzerv™ DM3000 / DM1000

### Accuracy

- > Volts & Amps - CI 0.5/CI1.0
- > Frequency - 0.2
- > True RMS values

### Bright red LED Display

- > Full 4 Digits, 0.1% Resolution
- > 14mm height, 7 segment

### User-friendly

- > Auto exit from setup
- > Elegant ergonomic design
- > Intuitive dual function key
- > Bright LED indicators - Kilo & Phase indications for measured value

Product	Description	Reference		Unit LP [₹]
DM3210	Three phase Voltmeter 0.5	30002462	<input checked="" type="checkbox"/>	2174
DM3110	Three phase Ammeter 0.5	30002461	<input checked="" type="checkbox"/>	2174
DM3210	Three phase Voltmeter 1.0	30002386	<input checked="" type="checkbox"/>	1737
DM3110	Three phase Ammeter 1.0	30002385	<input checked="" type="checkbox"/>	1737
DM1210	Single phase Voltmeter 0.5	30002460	<input checked="" type="checkbox"/>	1472
DM1110	Single phase Ammeter 0.5	30002459	<input checked="" type="checkbox"/>	1472
DM1210	Single phase Voltmeter 1.0	30002366	<input checked="" type="checkbox"/>	1092
DM1110	Single phase Ammeter 1.0	30002365	<input checked="" type="checkbox"/>	1092
DM1310	Single phase Frequency 0.2	30002367	<input checked="" type="checkbox"/>	1092
<b>Accessories</b>				
	Adaptor Plate 144X144 mm	30000089		76
	ELF adaptor plate	30001808		35
	DM52XX Tamper protection kit - Set of 36 nos in 01 KIT	METSEDM5240TK		900

# Coolite - The Lighting Energy Saver



Coolite upto 120VA



Coolite upto 400VA




Coolite 3

Product	Description	Reference	Unit LP [₹]
<b>Coolite 1 - 3 Phase Indoor type LES</b>			
	09KVA Indoor Floor Mounting with EM6436 RS 485	30001866	69200
	18KVA Indoor Floor Mounting with EM6436 RS 485	30001934	85627
	27KVA Indoor Floor Mounting with EM6436 RS 485	30001819	99017
	42KVA Indoor Floor Mounting with EM6436 RS 485	30001826	160115
	60KVA Indoor Floor Mounting with EM6436 RS 485	30002267	179130
	70KVA Indoor Floor Mounting with EM6436 RS 485	30001821	207485
	90KVA Indoor Floor Mounting with EM6436 RS 485	30002266	241467
	99KVA Indoor Floor Mounting with EM6436 RS 485	30001834	248218
	120KVA Indoor Floor Mounting with EM6436 RS 485	30001879	303802
<b>Note:</b> Caster Mounting option available. Please contact Schneider Electric representative for leadtime & pricing detail			
<b>Coolite 2 - 3 Phase Indoor type higher rating LES</b>			
	150KVA Indoor Floor Mounting with EM 6436 RS 485	30002454	522202
	200KVA Indoor Floor Mounting with EM 6436 RS 485	30002455	589939
	250KVA Indoor Floor Mounting with EM 6436 RS 485	30002456	657788
	300KVA Indoor Floor Mounting with EM 6436 RS 485	30002457	725525
	400KVA Indoor Floor Mounting with EM 6436 RS 485	30002458	813739
<b>Coolite 3 - 3 Phase Outdoor type automatic savings selector LES with option of time based load control</b>			
	006KVA	30002534	128272
	006KVA with time based load control	30002535	135356
	012KVA	30002536	135668
	012KVA with time based control	30002537	146592
	018KVA	30002538	159027
	018KVA with time based load control	30002539	166048
	024KVA	30002540	158973
	024KVA with time based control	30002541	170626
	030KVA	30002542	189145
	030KVA with time based control	30002543	206714
	036KVA	30002544	200900
	036KVA with time based control	30002545	209990
	045KVA	30002546	225027
	045KVA with time based load control	30002547	234026
	054KVA	30002546	236661
	054KVA with time based load control	30002549	245663
	063KVA	30002550	257354
	063KVA with time based load control	30002551	266356
	072KVA	30002552	312534
	072KVA with time based load control	30002553	321535
	081KVA	30002554	336162
	081KVA with time based load control	30002555	345164
	090KVA	30002556	342981
	090KVA with time based load control	30002557	351983
	099KVA	30002558	365833
	099KVA with time based load control	30002559	374836
	111KVA	30002560	391961
	111KVA with time based load control	30002561	400963
	120KVA	30002562	434068
	120KVA with time based load control	30002563	443090



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## Schneider Electric India Pvt. Ltd.

Corporate Office: 9th Floor, DLF Building No. 10, Tower C, DLF Cyber City, Phase II, Gurgaon 122002 Haryana  
Tel.: ++91 124 3940400 Fax: ++91 124 4222036/ 037

**Ahmedabad**  
Schneider Electric India (P) Ltd.  
42 A, 4th Floor, Space House,  
Opp. Sri Krishna Centre,  
Mithakali Six Roads,  
Ahmedabad- 380009  
Tel.: 079-3940400

**Coimbatore**  
Schneider Electric India (P) Ltd.  
No. -104, Classic Tower, 3rd Floor,  
Trichy Road, Coimbatore- 641018  
Tel.: 0422-3940400

**Ludhiana**  
Schneider Electric India (P) Ltd.  
Office No. - 3, 5th Floor, Novelty Plaza  
Bhaiwala Chowk  
Ludhiana- 140001  
Tel.: 0161- 4656672-75

**Secunderabad**  
D.No. 1-8-271, # 401, Ashoka Bhoopal  
Chambers, SP Road,  
Secunderabad - 500003  
Tel.: 04039404000  
Fax.: 040-39131313

**Bangalore**  
Schneider Electric India (P) Ltd.  
4th floor, Electra, Wing A,  
Exora Business Parks, Marathahalli  
Sarjapur Outer Ring Road,  
Bangalore- 560103  
Tel.: 080 4333 3333

**Jaipur**  
Schneider Electric India (P) Ltd.  
Jaipur Business Centre 309, 3rd  
Floor,  
Sangam Tower 190, Church Road,  
Jaipur-302001  
Tel.: 0141-3912903

**Mumbai**  
Schneider Electric India (P) Ltd.  
Marwah House, 2nd Floor  
Krishanlal Marwah Marg,  
Andheri (East), Mumbai - 400072  
Tel.: 91-22-30263300

**Vadodara**  
Schneider Electric India (P) Ltd.  
Ground Floor, Vanijya Bhavan Race Course  
Circle  
Alkapuri, Vadodara - 390007  
Tel.: 0265-3940400

**Chandigarh**  
Schneider Electric India (P) Ltd.  
2nd Floor of Tower A  
Bestech Business Tower  
Sector-66  
Mohali- 160059  
Tel.: 0172-3324500

**Kolkata**  
Schneider Electric (I) Pvt. Ltd.,  
BP-4, Sector-V  
Technopolis  
3rd floor, Salt Lake City  
Kolkata- 700 091  
Tel.: 033-333640100-101

**Nagpur**  
Schneider Electric India (P) Ltd.  
Fortune Business Centre, 6,  
Basant Vihar, W.H.C Road  
Shankar Nagar, Nagpur- 440010  
Tel.: 0712-2558581

**Vishakhapatnam**  
Schneider Electric India (P) Ltd.  
Ratnam's Business Centre,  
D.N.10-1-43, 1st Floor  
Siripuram Fort, C.B.M. Compound,  
Visakhapatnam- 530016  
Tel.: 0891 - 2508990

**Chennai**  
Schneider Electric India (P) Ltd.  
172, Punamallee Bypass Road  
Chennai- 600056.  
Tel.: 91-44-30962300

**Lucknow**  
Schneider Electric India (P) Ltd.  
1st Floor, Asha Bhawan 27 / II -A,  
Gokhale Marg, Lucknow- 226001  
Tel.: 0522-4006010

**Pune**  
Schneider Electric India (P) Ltd.  
1st Floor, R.B. Business Centre  
Above Dass Electronics  
Sanghvi Nagar, Aundh, Pune- 411007  
Tel.: 020-39404000

**Cochin**  
Schneider Electric India (P) Ltd.  
41 / 406- D1, 3rd Floor, Beejay Towers,  
Rajaji Road Cochin- 682035  
Tel.: 0484-3048401

For more information, visit our website at: [www.schneider-electric.co.in](http://www.schneider-electric.co.in)

### Customer Care Centre

Monday-Saturday, 9 a.m. to 8 p.m.

Toll-free numbers: 1800 425 4272, 1800 103 0011

Email: [customer care.in@schneider-electric.com](mailto:customer care.in@schneider-electric.com)

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