

Empowering You with Energy Insights, Anytime, Anywhere!



EMS on Cloud simplifies energy monitoring with real time data

Smartcomm EMS on Cloud empowers business owners and plant heads to seamlessly monitor energy usage & efficiency across operations and facilities. With our subscription-based software license, harness the power of cloud with minimal investment, faster deployment, seamless updates and easy scalability. Businesses owners can now track and take decisions on energy optimization based on real-time as well as historical insights, thereby reducing energy costs and increasing business efficiency.

- **Accessibility:** Accessible from anywhere, enabling remote monitoring and management
- **Cost-Effectiveness:** Lower upfront costs reducing IT maintenance expenses
- **Integration:** Integrate with IoT devices for a comprehensive energy management solution
- **Updates and Maintenance:** Automatic software updates and maintenance
- **Data Analytics:** Data Analytics at its best through widget-based dashboards and reports
- **Key Performance Indicators:** Intelligent Notifications through SMS and Email based alerts and alarms

Customer Interaction Center (CIC)

Phone no: 022-6932 7800

Web: www.LK-EA.com | e-mail: CIC@LK-EA.com

Single Function Meters [9030]

1xxx Series

- › Accuracy Class 1.0, 0.5
- › Input voltage measurement range 50-520 VAC (P-P)
- › Aux supply 80-300 V AC / DC
- › CT secondary site selectable 1A / 5A
- › Flush mounting 96 x 96 mm
- › Inbuilt selector switch for 3 phase meters
- › CT/PT site programmable
- › Frequency parameter available in 3Ph Voltmeter additionally



Description	Cat. No.	M.R.P. (₹) Per Unit
1Ph LED Ammeter CI 1	WL1110100000	935
1Ph LED Voltmeter CI 1	WL1120100000	935
3Ph LED Ammeter CI 1	WL1310100000	1425
3Ph LED Voltmeter CI 1	WL1320100000	1425
LED Freq meter CI 0.2	WL1130400000	935
1Ph LED Ammeter CI 0.5	WL1110200000	1255
1Ph LED Voltmeter CI 0.5	WL1120200000	1255
3Ph LED Ammeter CI 0.5	WL1310200000	1690
3Ph LED Voltmeter CI 0.5	WL1320200000	1690

VAF + PF Meters [9030]

4110 Series



- › Accuracy Class 1.0, 0.5
- › Input voltage measurement range 50-520 VAC (P-P)
- › Aux supply 80-300 VAC/DC
- › CT secondary site selectable 1A / 5A
- › Flush mounting 96 x 96 mm
- › Parameters: VLL, VLN, A, F, PF, On Hrs, RPM, Apeak

Description	Cat. No.	M.R.P. (₹) Per Unit
VAF + PF meter, CI 1	WL4110100000	2390
VAF + PF meter with RS485, CI 1	WL4110110000	2990
VAF + PF meter, CI 0.5	WL4110200000	2745
VAF + PF meter with RS485, CI 0.5	WL4110210000	3320

Counter type Energy Meter [9030]

4030 Series



Features

- › Accuracy Class 1.0
- › Flush mounting 96 x 96 mm
- › Available with sealing arrangement
- › Parameter : kWh

Description	Cat. No.	M.R.P. (₹) Per Unit
kWh Counter type meter CI 1 (3Ph 4W 240V 5A)*	WL4030100000	3705

* for availability please contact nearest branch office.

Energy Meters [9030]

4000 Series

- › Accuracy Class 1.0, 0.5
- › Input voltage measurement range 50-520 VAC (P-P)
- › Aux supply 80-300 VAC/DC
- › CT secondary site selectable 1A / 5A
- › Flush mounting 96 x 96 mm
- › CT/PT site programmable
- › Auto scaling of Kilo, Mega and Giga
- › Parameters: Site selectable kWh / kVA / PF / W, Old energy

kWh or kVAh is site selectable

Energy display in kWh in its lifetime#



Description	Cat. No.	M.R.P. (₹) Per Unit
kWh LED meter CI 1	WL4000100000	3005
kWh LED meter CI 1 with RS485	WL4000110000	3325
kWh LED meter CI 0.5	WL4000200000	3820
kWh LED meter CI 0.5 with RS485	WL4000210000	4140
kWh LCD meter CI 1	WC4000100000	3405
kWh LCD meter CI 1 with RS485	WC4000110000	3755
kWh LCD meter CI 0.5	WC4000200000	4215
kWh LCD meter CI 0.5 with RS485	WC4000210000	4535

For 415V LL and CT Primary value of 400 and below

DIN Basic Multifunction Meters [9030]

4000 Series

- › Parameters : Voltage, Current, kW, kWh, MD



Description	Cat. No.	M.R.P. (₹) Per Unit
Energy meter 1P 5-40A CI 1 DIN	WD4000101000	2630
Energy meter RS485 module	WD400010RS00	2630

Available till stocks lasts

New 40x0 Series

- › DIN mounting whole current operated meter
- › Accuracy Class 1.0
- › Inbuilt RS485 option
- › Parameters : Voltage, Current, kW, kWh, kVA, kVAh, RPM, Load hours, Interruptions



Description	Module	Cat. No.	M.R.P. (₹) Per Unit
Single Phase - 60A	2	WD4010100000	2895
Three Phase - 80A	5	WD4020100000	6275
Single Phase - 60A (RS485)	2	WD4010110000	4285
Three Phase - 80A (RS485)	5	WD4020110000	9465

Dual Source Basic MFM [9030]

4040 Series

Features

- › Accuracy Class 1.0, 0.5
- › Input voltage measurement range 50-520 VAC (P-P)
- › Aux supply 80-300 VAC/DC
- › CT secondary site selectable 1A / 5A
- › DG sensing input 230 VAC
- › Flush mounting 96 X 96 mm
- › CT/PT site programmable
- › Discrete LED for EB and DG
- › True PF or Displacement PF site selectable
- › Parameters: V, A, F, PF, kW, kVA, Run hours, kWh (EB and DG), Old energy, Site selectable kWh / kVAh

kWh or kVAh
is site selectable



LCD offers better readability
of parameters

Description	Cat. No.	M.R.P. (₹) Per Unit
Dualsource LED meter Cl1	WL4040100000	4830
Dualsource LED meter Cl1 with RS485	WL4040110000	5685
Dualsource LED meter Cl0.5	WL4040200000	5745
Dualsource LED meter Cl0.5 with RS485	WL4040210000	6725
Dualsource LCD meter Cl1	WC4040100000	5315
Dualsource LCD meter Cl1 with RS485	WC4040110000	6185
Dualsource LCD meter Cl0.5	WC4040200000	6235
Dualsource LCD meter Cl0.5 with RS485	WC4040210000	7135

Basic Multifunction Meters [9030]

4400 Series

Features

- › Accuracy Class 1.0, 0.5
- › Input voltage measurement range 50-520 VAC
- › Aux supply 80-300 VAC/DC
- › CT secondary site selectable 1A / 5A
- › Flush mounting 96 x 96 mm
- › CT/PT site programmable
- › True PF or Displacement PF site selectable
- › V, A, F, PF, kW, kVA, Old energy, Load hours, site selectable kWh/ kVAh



LCD offers better readability
of parameters

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4400 LED meter Cl 1	WL4400100000	4740
MFM 4400 LED meter Cl 1 with RS485	WL4400110000	5470
MFM 4400 LED meter Cl 0.5 with RS485	WL4400210000	6290
MFM 4400 LED meter Cl 0.5S with RS485	WL4400310000	6355
MFM 4400 LCD meter Cl 1	WC4400100000	4990
MFM 4400 LCD meter Cl 1 with RS485	WC4400110000	5790

Basic Multifunction Meters [9030]

4405 Series

Features

- › Accuracy Class 1.0, 0.5
- › Input voltage measurement range 50-520 VAC
- › Aux supply 80-300 VAC/DC
- › CT secondary site selectable 1A / 5A
- › Flush mounting 96 x 96 mm
- › CT/PT site programmable
- › V, A, F, PF, kW, kVA, Old energy, On and Run hours, site selectable kWh/ kVAh
- › True PF or Displacement PF site selectable

All parameters
of 4400 series
in 3 line
LED display



Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4405 LED meter Cl 1	WL4405100000	6130
MFM 4405 LED meter Cl 1 with RS485	WL4405110000	6920
MFM 4405 LED meter Cl 0.5 with RS485	WL4405210000	7955
MFM 4405 LED meter Cl 0.5S with RS485	WL4405310000	8020

Multifunction Meters [9030]

Features

- › Accuracy Class 1.0, 0.5, 0.5S, 0.2, 0.2S
- › Input voltage measurement range 50-520 VAC (P-P)
- › Aux supply 80-300 VAC/DC
- › CT secondary site selectable 1A / 5A
- › Flush mounting 96 x 96 mm
- › CT/PT site programmable
- › 128 samples / cycle
- › My favourite page in LCD multifunction meters site selectable for kWh + 2 parameters
- › Dedicated buttons available for direct access to Basic, Power and Energy parameters

True and
Displacement
PF available

Constant Wh viewing in LCD
MFM even in auto scroll mode.
LCD offers better readability
of parameters



4410 Series

- › Parameters: V, A, F, PF, kW, kVA, kVAR, kWh, kVAh, kVARh, Runhours, On hours, Phase angle, Interrupts, THD, Events (High-Low), Neutral Current, K Factor

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4410 LED meter Cl 1	WL4410100000	8590
MFM 4410 LED meter Cl 1 with RS485	WL4410110000	9650
MFM 4410 LED meter Cl 0.5 with RS485	WL4410210000	11100
MFM 4410 LED meter Cl 0.5S with RS485	WL4410310000	12265
MFM 4410 LED meter Cl 0.2 with RS485	WL4410410000	14600
MFM 4410 LED meter Cl 0.2S with RS485	WL4410510000	18685
MFM 4410 LCD meter Cl 1	WC4410100000	10100
MFM 4410 LCD meter Cl 1 with RS485	WC4410110000	10805
MFM 4410 LCD meter Cl 0.5 with RS485	WC4410210000	12605
MFM 4410 LCD meter Cl 0.5S with RS485	WC4410310000	13810
MFM 4410 LCD meter Cl 0.2 with RS485	WC4410410000	16210
MFM 4410 LCD meter Cl 0.2S with RS485	WC4410510000	20405

Multifunction Meters [9030]

4420 Series Max Demand Indicator (without Real time clock)

Parameters

- > All parameters of 4410 series
- > Maximum Demand (kW & kVA)

2 Relay outputs for MD Alarm

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4420 LED meter CI 1	WL4420100000	12650
MFM 4420 LED meter CI 1 with RS485	WL4420110000	13580
MFM 4420 LED meter CI 0.5 with RS485	WL4420210000	14900
MFM 4420 LED meter CI 0.5S with RS485	WL4420310000	16050
MFM 4420 LED meter CI 0.2 with RS485	WL4420410000	18340
MFM 4420 LED meter CI 0.2S with RS485	WL4420510000	22355
MFM 4420 LCD meter CI 1	WC4420100000	14485
MFM 4420 LCD meter CI 1 with RS485	WC4420110000	15515
MFM 4420 LCD meter CI 0.5 with RS485	WC4420210000	16815
MFM 4420 LCD meter CI 0.5S with RS485	WC4420310000	18010
MFM 4420 LCD meter CI 0.2 with RS485	WC4420410000	20405
MFM 4420 LCD meter CI 0.2S with RS485	WC4420510000	24620

For Max Demand Controller (with Real time clock) please refer 6000 series

4430 Series MFM for Import-Export

Parameters

- > All parameters of Model 4420 series
- > Bi-directional (Import-Export)

2 Relay outputs for MD Alarm

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4430 LED meter CI 1	WL4430100000	17750
MFM 4430 LED meter CI 1 with RS485	WL4430110000	18515
MFM 4430 LED meter CI 0.5 with RS485	WL4430210000	19645
MFM 4430 LED meter CI 0.5S with RS485	WL4430310000	20735
MFM 4430 LED meter CI 0.2 with RS485	WL4430410000	22925
MFM 4430 LED meter CI 0.2S with RS485	WL4430510000	26745
MFM 4430 LCD meter CI 1	WC4430100000	18870
MFM 4430 LCD meter CI 1 with RS485	WC4430110000	19600
MFM 4430 LCD meter CI 0.5 with RS485	WC4430210000	20735
MFM 4430 LCD meter CI 0.5S with RS485	WC4430310000	21830
MFM 4430 LCD meter CI 0.2 with RS485	WC4430410000	24010
MFM 4430 LCD meter CI 0.2S with RS485	WC4430510000	27835

4440 Series

Parameters

- > All parameters of 4410 series
- > Maximum Demand with Real Time Clock (RTC)
- > Events (high-low) with time stamp

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4440 LED meter CI 1 with RS485	WL4440110000	15070
MFM 4440 LED meter CI 0.5 with RS485	WL4440210000	16940
MFM 4440 LED meter CI 0.2 with RS485	WL4440410000	20715
MFM 4440 LCD meter CI 1 with RS485	WC4440110000	16325
MFM 4440 LCD meter CI 0.5 with RS485	WC4440210000	18200
MFM 4440 LCD meter CI 0.2 with RS485	WC4440410000	21970

Advanced Multifunction Meters [9030]

5000 Series

Features

- > Datalog (8 MB)
- > Bi-directional (Import - Export)
- > 128 samples/ cycle
- > Analog I/O, digital I/O variants available
- > Meter with Ethernet port available

True and Displacement PF available

Parameters

- > V, A, F, kW, KVA, kVA, kWh, kVAh, kVAh, PF, Runhr, Onhr, Interrupts, Phase angle, THD, Neutral current, Max Demand (with RTC) K Factor
- > Bi-directional (Import-Export)
- > Events (high-low) with time stamp
- > Individual Harmonics upto 31st.
- > My favourite page in LCD multifunction meters site selectable for kWh + 2 parameters

Constant Wh viewing in LCD MFM even in auto scroll mode. LCD offers better readability of parameters



Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 5000 LED meter CI 1 with RS485	WL5000110000	34365
MFM 5000 LED meter CI 1 with Ethernet	WL5000120000	39050
MFM 5000 LED meter CI 0.5 with Ethernet	WL5000220000	40725
MFM 5000 LED meter CI 0.5S with Ethernet	WL5000320000	41845
MFM 5000 LCD meter CI 1 with RS485	WC5000110000	35495
MFM 5000 LCD meter CI 1 with Ethernet	WC5000120000	40170
MFM 5000 LCD meter CI 0.5 with RS485	WC5000210000	37155
MFM 5000 LCD meter CI 0.5S with RS485	WC5000310000	38280
MFM 5000 LCD meter CI 0.5 with Ethernet	WC5000220000	41845
MFM 5000 LCD meter CI 0.5S with Ethernet	WC5000320000	42955
MFM 5000 LCD meter CI 0.2 with RS485	WC5000410000	40505
MFM 5000 LCD meter CI 0.2S with RS485	WC5000510000	44410
MFM 5000 LED meter CI 1 RS485 2A/O	WL5000110B00	37150
MFM 5000 LED meter CI 0.5 RS485 2D/I	WL50002100B0	38825
MFM 5000 LED meter CI 0.5 RS485 4D/O	WL50002100OD	39940
MFM 5000 LCD meter CI 1 RS485 2A/O	WC5000110B00	38275
MFM 5000 LCD meter CI 0.5 RS485 2D/I	WC50002100B0	39940
MFM 5000 LCD meter CI 0.5 RS485 4D/O	WC50002100OD	41060
MFM 5000 LCD meter CI 1 + RS485, 1AO, 1DO	WC5000110AOA	38520

5000 series with Digital outputs are preconfigured for I - THD% at 8% and True PF at 0.98.

Meter can be site selected for parameters and values - A THD, V THD, VA, W, under PF, under/over (VLL, A, F) with programmable trip time (1 to 180 sec) to protect the equipments from electrical abnormalities.

Parameters	Data Log Interval			
	15 Min	30 Min	45 Min	60 Min
	No. of Days			
1	10230	20460	30690	40920
2	6820	13640	20460	27280
4	4092	8184	12276	16368
9	2046	4092	6138	8184
14	1364	2728	4092	5456
29	682	1364	2046	2728

Advanced Multifunction Meters [9030]

5010 Series

Features

- › 128 samples / cycle
- › Running demand, max demand, prediction demand in single page window

Parameters

- › V, A, F, kW, KVA, kVAR, kWh, kVAh, kVArh, PF, Runhr, Onhr, Interrupts, Phase angle, THD, Neutral current, Max Demand (with RTC)
- › Bi-directional (Import-Export)
- › Events (high-low) with time stamp
- › Individual Harmonics upto 31st.

True and Displacement PF available



Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 5010 LED meter CI 1	WL5010100000	13230
MFM 5010 LED meter CI 1 with RS485	WL5010110000	13800
MFM 5010 LED meter CI 0.5S	WL5010300000	16275
MFM 5010 LED meter CI 0.5S with RS485	WL5010310000	17175
MFM 5010 LED meter CI 0.2 with RS485	WL5010410000	18980

Maximum Demand Controller [9030]

6000 Series

Features

- › Accuracy Class 1.0, 0.5S
- › Input voltage measurement range 50-520 VAC (P-P)
- › Aux supply 80-300 VAC/DC
- › CT secondary site selectable 1A / 5A
- › Flush mounting 96 x 96 mm
- › CT/PT site programmable
- › Datalog (8MB)
- › 4 relay outputs for Max. demand controller
- › Time of Day (TOD) 6 slots available
- › Block/sliding window site selectable
- › Running demand, max demand, prediction demand in single page window
- › Individual harmonics upto 31st.

8MB Datalog preconfigured for 9 parameters including kWh, Running demand and Max Demand for 15 mins interval

Parameters

- › V, A, F, kW, KVA, kVAR, kWh, kVAh, kVArh, PF, Runhr, Onhr, Intr, Phase angle, THD, Events, Neutral current, Max Demand (with RTC)



True and Displacement PF available

Description	Cat. No.	M.R.P. (₹) Per Unit
MDC 6000 LED meter CI 1 with RS485	WL6000110000	30790
MDC 6000 LED meter CI 0.5S with RS485	WL6000310000	33750
MDC 6000 LCD meter CI 1 with RS485	WC6000110000	31970
MDC 6000 LCD meter CI 0.5S with RS485	WC6000310000	34935

Prepaid Metering Solutions with SmartComm EMS [9030]



- › Dual source meters by default
- › Class 1 accuracy as per IS 15884
- › Ratings : 1P (10-60A) : 3P (10-60A, 20-80A, CT operated)
- › Parameters: V, A, PF, W, VA, Wh - EB, DG
- › Communication: Wired (Modbus RS485) or Wireless (LoRaWAN)
- › Facility for connection or disconnection of electric supply based on the credit balance in the meter through relay
- › Optional
 - › In RS485 model upto 4DI for water and gas meter
 - › In LoRaWAN model upto 2DI for water and gas meters
- › Wireless postpaid or prepaid metering solutions for large townships on SmartComm EMS Platform available.
- › With LoRaWAN technology, meters upto 1 km approx from LoRa Gateway can be monitored without Line of sight.
- › Prices available on request.

New SmartComm Edge [8517] SMARTCOMM

Gateways and converters from the backbone of interconnected networks, and are a crucial link between our devices and cloud-based or on-premises softwares. They facilitate seamless communication, protocol translation, and data aggregation from various type of devices, enabling efficient data transmission and integration.

MQ1000

- › MQTT Gateway with ethernet port
- › Easy integration with SmartComm EMS Cloud
- › Compact & Secure
- › Data storage in case of network failure



TG1000

- › Modbus RS485 to MODBUS TCP/IP Gateway
- › Easy integration with SmartComm EMS/PMS On-prem or 3rd party Software/HMI



Description	Cat. No.	M.R.P. (₹) Per Unit
MQTT Gateway with Ethernet port	MQ10000000	36000

Description	Cat. No.	M.R.P. (₹) Per Unit
MODBUS RTU to TCP/IP Gateway	TG10000000	20000