AUS-iot EM 3P LCx - xxx

Overview

The **AUS-iot EM 1P LSx** is a LoRa-enabled single-phase electricity meter rated at **100A**, designed for accurate real-time monitoring and seamless integration into the AUS-iot System backend software. It supports automated billing, detailed consumption analysis, and energy management for residential, commercial, and industrial applications.

With secure LoRaWAN connectivity, the EM 1P LSL ensures reliable long-range data transmission while maintaining low power consumption. Operators can easily integrate the device through the AUS-iot System suite for full property and utility management or connect via API or simple CSV exchange for third-party platforms.

Real-time alerts for faults, abnormal consumption, or tampering are delivered via mobile app or email, enabling fast response, improved safety, and reduced operational costs.

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Maroochydore, QLD
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Compact, robust, and field-proven, the AUS-iot EM 1P LSL offers a cost-effective, scalable solution for modern single-phase electricity monitoring, making it ideal for deployment across utilities, estates, and smart infrastructure projects.

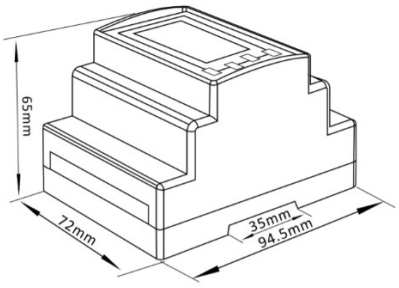
Features

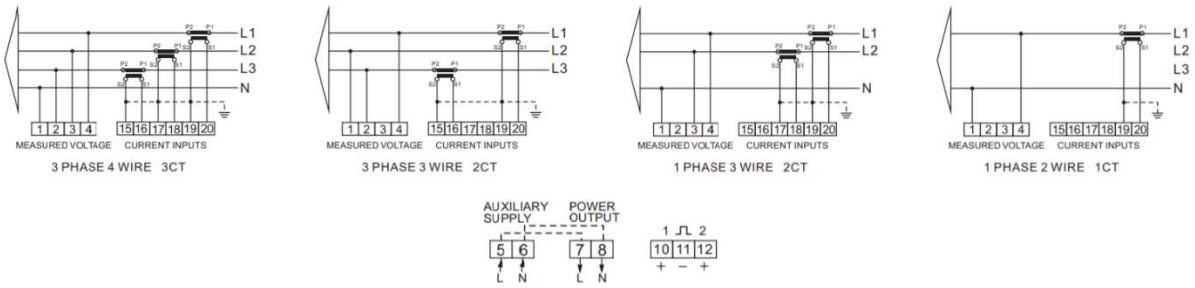
• Input Voltage (Un): 230VAC (80%~120%)	• Long distance communication up to 15 km
• Input Voltage (VT): 30 to 500000 Vac	• Life: 10+ year / Ultra-low power
• Input Frequency: 45/65 Hz	• LoRaWAN Class A
• Parameters: V,A, Hz, PF, kWh, kVArh, THD	• Approved for use in SA, AUS, EU
• 173 to 480 V AC L-L / 100 to 276 V AC L-N	• Installation: Vertical DIN Rail
• Network: L+N	• Operating Temperature: -25°C to 55°C
• Configurable Data Upload	• Dimensions (WxHxD): 100x36x63mm
• Compliance: IEC 62052-11 / IEC 62053-21 / IEC 62055-41 / IEC 62056-21	

Accuracy

• Accuracy: Class 1 IEC 62053-21	• RMS inc harmonics 3 phase AC (3P, 3P+N)
• Voltage : 0.5% of range maximum	• Active power(W): ±1% of range max
• Current: 0.5% of nominal	• Reactive power(VAr): ±1% of range max
• Frequency: 0.2% of mid-frequency	• Active energy(Wh): Class 1 IEC 62053-21
• Power factor: 1% of unity (0.01)	• Reactive energy(VARh): Class 2 IEC62053-23

Dimensions





Order Code

Product	Type	Phase	Comms	Sensor	Control	Radio Band
AUS-iot	**EM** - Electricity Meter	**3P** – Three Phase	**L** – LoRa	**C** –Current Transformer	**x** – No Control	**868** - South Africa **915** - Australia

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