



MTX LoRaWAN-enabled multi-phase electricity meter for direct connection

Part number: JOOBY ELECTRA MTX3 LoRaWAN R30.DG.4L3-LD4

The LoRaWAN-enabled meter for direct connection lets suppliers and management companies receive accurate data on consumption and active and reactive electricity generation in AC mains with a 3x220/380 V rated voltage. The built-in radio module collects readings at a preset interval and transmits the data to the tracking system over a LoRaWAN wireless network. The device is perfect for tracking electricity consumption using block or load

tariffs (time of day, workday/weekend, or seasonal). The meter also detects unauthorized activities such as magnetic exposure or attempts at tampering. This information is available in the admin panel. The device enables suppliers to disconnect non-payers temporarily and reconnect them after the debt is paid off. This smart meter automates the collection of data on electricity consumption and detects resource theft.



Remote collection of readings from all metering points



Calibration interval: 16 years



The device enables remote disconnection of non-payers as well as automated restoration of service once the debt is repaid



The service life of 5 to 15 years without battery replacement*



Warranty period: 5 years



Warning about removal or magnetic tampering

*subject to the data reporting frequency and the amount of interference between the unit and the base station

LoRaWAN device class

Electricity metering	A+R±
Rated / Maximum current, A	5 (80)
Rated voltage, V	3*220/380
Accuracy class	1/2
Number of measuring elements	3

Automated meter reading system (AMRS)

Number of tariffs supported	Up to 4
Number of seasons supported	12
Daily archive depth, years	6
Monthly archive depth, years	4
Tariff support in the AMRS and outside the AMRS	Yes
Half-hourly data archive	Up to 6 channels for each type of electricity, archive depth 2–4 months
Per-phase data archive	Up to 6 channels
Data transmission technology	LoRaWAN wireless network
Remote control relay / power limiter	Yes
Remote parameterization	Via the AMRS remotely or via the optical port
Calibration interval, years	16
Warranty, years	5

Case

Showing OBIS codes on the display	Yes
Tamper and theft protection: built-in indicator, plastic seals, and a unique QR code	Yes
Case and terminal cover tamper sensors	Yes
Magnetic and electromagnetic exposure sensors	Yes
Protecting the optical port with a sealable button	Yes
Protected access to the software and parameterization using a three-level password	Yes
Transparent case for visual inspection	Yes
Protecting against magnetic and electromagnetic exposure	Yes
Installing regular seals	Yes