

## LoRaWAN module

HC-003-55

### Quick Overview

- Plug-and-play module for MULTICAL® 403 – no complex installation required
- Long-range LoRaWAN communication with automatic Wireless M-Bus fallback
- Up to 16 years of battery lifetime depending on data configuration
- Standardized OMS over LoRaWAN – easy integration with third-party systems
- Full security based on the meter's DEK keys



### Why Customers Choose the HC-003-55

#### State-of-the-art security – fully automatic

All encryption keys are generated from the meter's DEK (Data Encryption Key). The module follows CRA principles and OMS Security Profile D.

#### Reliable coverage – even in challenging environments

Long-range LoRaWAN performance combined with automatic Wireless M-Bus C1 fallback. External antennas can be used if coverage is weak.

#### Maximum flexibility in data handling

YY-ZZZ datagram configuration defines data content, transmission intervals and security level. Customers can optimize battery life and network load based on configuration.

#### Multiple power-supply options

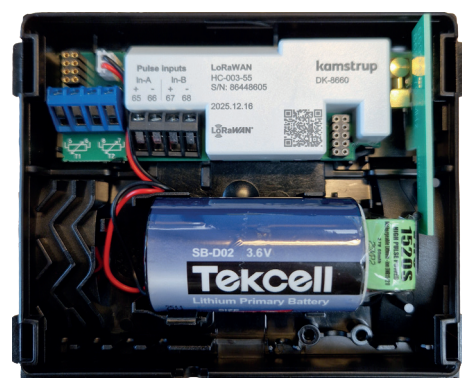
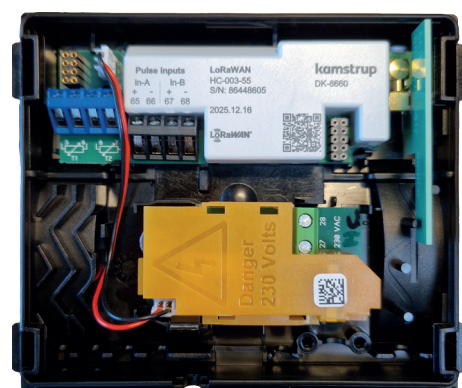
IoT battery, 230V High-Power or 24V High-Power – all supported directly in MULTICAL® 403.

### Practical Value for the Customer

- Reduced operational effort – long battery life and stable communication
- Easy installation – CALL procedure in seconds, signal quality visible in display (index 47/49)
- Future-proof – LoRaWAN 1.0.4, OMS, strong security and wide compatibility
- Full freedom – use with Kamstrup READY or any third-party MDM platform

### In Short

The HC-003-55 is a robust, secure and flexible LoRaWAN module designed to provide reliable remote meter reading even in areas with poor coverage. Customers gain a future-proof communication solution without additional infrastructure or complexity.



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