

7M SERIES  
Energy meters



## Single-phase Bi-directional energy meters NFC programmable, MID certified Type 7M.24.8.230.0xxx

Ideal for monitoring both domestic or industrial energy consumption, in offices, campsites, photovoltaic systems and similar. Programming via Smartphone - Android and Apple - with NFC technology. Energy meter programming and customization via App. Ability to read the measured energy via NFC even in the absence of a network

- 2 active energy MID counters + 2 reactive energy nationally certified counters
- 8 resettable counters for active, reactive, absolute apparent, imported and exported energy
- Touch navigation and programming key
- Wide range of measurable parameters: V, I, PF, Hz, THD V, THD I, and Run-time counter for preventive maintenance activities
- With M-Bus and Modbus RS485 integrated interface
- Backlit LCD display and sealable tamperproof terminal shield
- Power and control terminals

### Single-phase Bi-directional NFC programmable energy meters, MID certified (according to type)

7M.24.8.230.0001



**Type 7M.24.8.230.0001**  
**Single-phase 230 V AC, kWh**

- Reference current 5 A
- Maximum current 40 A
- Display of active energy consumption (kWh)
- Active power accuracy Class B according to EN 50470-3
- S0 pulse output for remote energy monitoring according to EN 62053-31

7M.24.8.230.0010

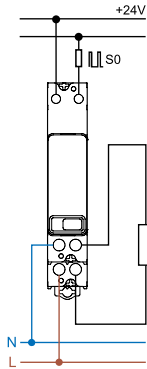


**Type 7M.24.8.230.0010**  
**Multifunction single-phase 230 V AC 50/60 Hz, MID certified**

**Type 7M.24.8.230.0110**  
**Multifunction single-phase 230 V AC 50/60 Hz, MID certified**  
**Equipped with IR communication port**

- Reference current 5 A
- Maximum current 40 A
- Display of total or partial consumption: kWh, kVAh, kvarh
- 4 MID certified totalising counters, 8 resettable counters
- Scroll to view the following real-time values: V, A, PF, kW, kVA, kvar, Hz, THD V, THD A, phase angle and direction of power flow
- 7 digit backlit LCD display
- Multifunction touch button
- Active energy accuracy Class B according to EN 50470-3 (MID)
- Reactive energy accuracy Class 2 to EN 62053-23
- S0 pulse output for remote energy monitoring according to EN 62053-31

7M.24.8.230.0110



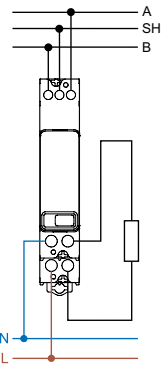
7M.24.8.230.0210



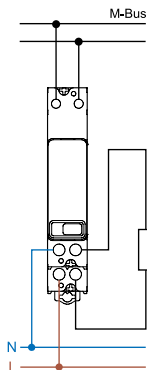
**Type 7M.24.8.230.0210**  
**Multifunction Bi-directional energy meter, MID certified with NFC and RS485 Modbus integrated interface**

**Tipo 7M.24.8.230.0310**  
**Multifunction Bi-directional energy meter, MID certified with NFC and M-Bus integrated interface**

- Reference current 5 A
- Maximum current 40 A
- Single-phase 230 V AC 50/60 Hz
- Display of total or partial consumption: kWh, kVAh, kvarh
- 4 MID certified totalising counters, 8 resettable counters
- Scroll to view the following real-time values: V, A, PF, kW, kVA, kvar, Hz, THD V, THD A, phase angle and direction of power flow
- 7 digit backlit LCD display
- Multifunction touch button
- Active energy accuracy Class B according to EN 50470-3 (MID)
- Reactive energy accuracy Class 2 to EN 62053-23



7M.24.8.230.0310



### NFC Technology

Thanks to NFC technology it is possible to read the energy meter without the presence of mains voltage, as well as customize and program characteristics such as the primary address or baud rate.