Single and Polyphase smart electricity meter, based on GSM/GPRS/UMTS communication provides the most reliable data transmission in smart residential and mid-size commercial environments. This future-proof investment includes:

- IDIS interoperability
- Remote connection/disconnection
- Multi-Energy management (gas, water, heat)
- Extensive anti-tampering features
- Customer port for in-house display (RJ11)
- Secure communication with encryption and authentication
- Photovoltaic friendly design
- Integrated demand/response functions
- DLMS protocol for easy integration
- Import/export energy measurement

Meter dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Width</th>
<th>Height</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>105</td>
<td>132</td>
<td>82</td>
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</tr>
<tr>
<td>150</td>
<td>178</td>
<td>86</td>
<td>130</td>
</tr>
</tbody>
</table>

4 Quadrant measurement
BS / DIN housing
Multiple connection types
Direct or current transformer connection
Ingress protection
Load profile
Optical port
Real-time clock
Event logs
DLMS – COSEM compliance
Multi-rate registration
Accuracy class
Remote connection/disconnection
Photovoltaic ready
M-Bus communication
GSM/GPRS communication
Alarming
IDIS interoperability

Mx382
Electricity meter with GSM/GPRS/UMTS communication
Basic functionality

Measurement features
- Two way ("energy") measurements
- Active energy and power, 4Q Reactive energy & power, Apparent energy & power, Instantaneous value of voltage, Current, Power factor, Frequency and Power
- Absolute measurement of active energy & power

Tariff functions
- Time-of-use (TOU) measurement of active energy and maximum demand (up to 8 tariffs, 12 seasons, 12 weekly programs, 16 masks, 16 switches)

Load profiles
- Two Load profiles with different daily and hourly registration periods with up to 32 objects
- Four separate profiles for sub-metering (M-bus)
- Seven separate Event logs for different objects

Communication
- Full DLMS-COSEM and IEC 1107 compliance
- Four independent communication interfaces:
  - Optical port
  - RJ11 (for in-house display)
  - M-bus (wired)
  - GSM/GPRS/UMTS

Power quality
- Voltage sag, swell and cut, Daily peak and minimum, Voltage and current asymmetry, Power failure

Specifics
- Backlit LCD display
- Detection of opening main and terminal cover
- External magnetic field detector
- Detection of meter wiring
- Prepayment
- In-house display support
- Power quality supervision
- Photovoltaic ready
- Secured communication channels
- Switching device up to 3x100A (UC3)
- Remote FW upgrade
- RTC (Super-Cap)

Optional
- RTC (Li battery)
- M-Bus (wireless with external dongle)
- ZigBee (wireless with external dongle)

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