



Iskra[®]

Greater flexibility with advanced measurement capabilities

IE35



Current Transformer Energy Meter IE35 series



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IE35 is a **new smart energy meter** designed for indirect, bi-directional energy metering with **full MID certification**. The meter is DIN-rail mountable and intended for use with **external transformers**, significantly expanding the range of measurable currents and voltages.

It can be powered from either a **single phase** or **three phase network** and also supports an optional **auxiliary power supply**. The device includes a pulse output, tariff input, and - depending on the model - offers **RS485** (Modbus) or **M-Bus** communication for seamless integration into monitoring and billing systems.

Key features

- ▶ **MID Class B** accuracy for billing applications
- ▶ **IEC 62053-22 Class 0.5** accuracy for active energy measurement
- ▶ Maximum current: **5 A** (I_{max})
- ▶ **RS485** (Modbus) or **M-Bus** communication
- ▶ **Matrix LCD display** with white and red backlight
- ▶ **Tariff clock** input and **SO** output
- ▶ **Side IR communication** for add-on modules
- ▶ **NFC** for easy configuration and reading
- ▶ **Low-voltage** digital input
- ▶ Operational temperature **up to 70°C**
- ▶ Optional **auxiliary power supply**
- ▶ Sealable terminal covers
- ▶ 4 DIN modules width



External current transformer advantages

- ✓ **Wide measurement range**
CTs allow small meters to measure very large current
- ✓ **No conductor interruption**
split-core / plug-in CTs enable measurement without breaking the circuit
- ✓ **Remote metering / flexibility**
CTs provide safe, isolated signals so meters can be located separately



• **Class C** active energy

• **Class 2** reactive energy

MID
directive



• **MID compliant**

• **Multi-tariff measurement**

• **High temperature operation**