

# Single-phase electricity meter NORAX 1



## Application

Multipurpose electricity meter for one-phase two-wire networks. It enables direct measurement of active and reactive energy. Intended for municipal customers of all tariff groups.

## Features

- Bidirectional measurement of active energy
- Four-quadrant measurement of reactive energy
- Measurement of voltage, current and instantaneous and maximum power
- Configurable load profiles
- Communication protocol: DLMS/COSEM
- Local communication: optical port, RS-485 serial port (optional), Wireless M-Bus 868 MHz (EN 13757) (optional)
- Firmware upgrade (according WELMEC 7.2)
- Dedicated LCD
- Resistance to external magnetic fields

Do you know that...



CORAX means RAVEN in Latin and **NORAX** represents a new generation: a **NEW RAVEN** - innovative and multi-functional.

## Key Technical Parameters

Model	NORAX 1
Connection method	Direct
Rated voltage $U_n$	230 V
Reference current $I_{ref}$	5 A
Maximum current $I_{max}$	60, 80 or 100 A
Frequency	50 Hz
Accuracy class for active energy	B
Accuracy class for reactive energy	2
Power consumption in the voltage circuit	<1 W / <1,5 VA
Insulation	4 (AC 50 Hz), 6 (surge 1,2/50 $\mu$ s) kV
Meter constant	5000 [imp/kWh]
Clock	Internal RTC, accuracy not lower than 0.5 s/24 h at 23°C
Communication	Optical port, RS-485 serial port (optional), Wireless M-Bus 868 MHz (EN 13757) (optional)
Display	Dedicated LCD
Operating temperature	-25 to +55°C -40 to +70°C (optional)
Housing	II protection class
Ingress protection rating	IP54
Standards	MID (B+D) EN 50470-1 EN 50470-3 EN 62053-23

