



# NORAX 1

## Single-phase electricity meter



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

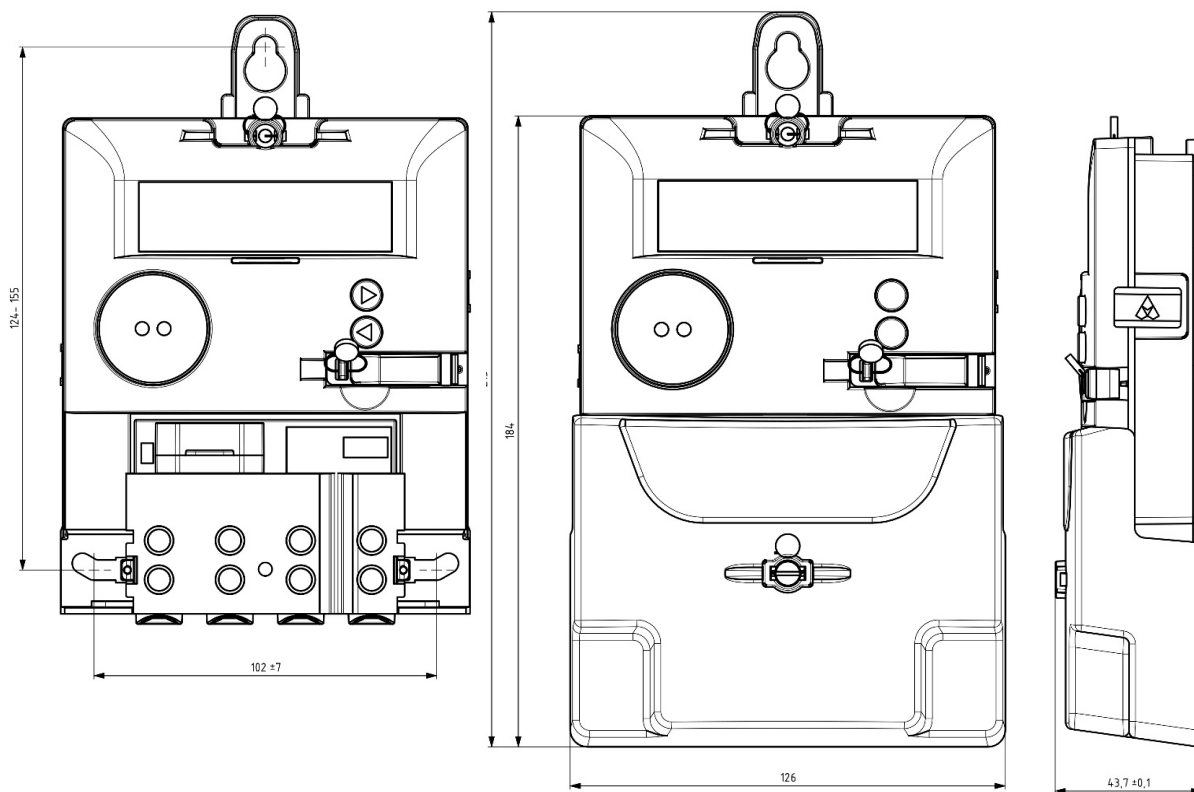
### FEATURES

- Bidirectional measurement of active power
- Four-quadrant measurement of reactive power
- Measurement of voltage, current, instantaneous power and maximum power
- Load profile
- Communication protocol: DLMS/COSEM
- Local communication: optical port, serial port RS 485 (optional)
- Firmware upgrade (according WELMEC 7.2)
- Segment LCD display
- Resistance to external magnetic field

Simple, Multipurpose,  
Modern

# TECHNICAL DATA

Model		<b>NORAX 1</b>
Connection method		Direct
Rated voltage $U_n$	[V]	230
Reference current $I_{ref}$	[A]	5
Maximum current $I_{max}$	[A]	40 or 60
Measurement accuracy of active energy	acc. EN 50470-3	B
Measurement accuracy of reactive energy	acc. EN 62053-23	2
Metering type		A+, A-,  A
Power consumption in voltage circuit	[W] / [VA]	<1 / <1,5
Electric strength	[kV]	4 (AC 50 Hz), 6 (impulses 1,2/50 $\mu$ s)
Impulse frequency	[imp/kWh]	5000
Clock		Internal, accuracy not lower than 0.5s/24h at 23°C
Communication		Optical port and optional RS485 serial port: DLMS/COSEM protocol
Display		Dedicated LCD display (The viewing area is 65 x 20 mm)
Temperature of operation		-25 to +55 °C -40 to +70 °C (Optionally)
Standards		MID Directive (B+D) EN 50470-1 EN 50470-3 EN 62053-23



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