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SEMPAL SVTU-14
Ultrasonic water meter for residential & industrial needs

Data Sheet

- Medium temperature range, ^{0}C   0...130
- Nominal flow rate, m³/h   1.5
- Maximum flow rate, m³/h   3
- Minimum flow rate, m³/h   0.015
- Dynamic range   200:1
- Pressure loss at nominal flow rate,   bar0.09
- DN, mm   20
- Connection on meter   G3/4B
- Total length, mm   130
- Two pulse outputs

- Accurate water consumption measurement for housing, office and public buildings
- Meter can also be applied as heat energy meter and cooling energy meter
- Tariff accounting

Technical data

Ambient operating temperature, ⁰C	5…55
Nominal pressure PN, bar	16
Battery	3.6 V, 1C cell lithium
Battery lifetime	12 years
Communication	via IrDA Extra possibilities: • RS485 + 2 pulse inputs • 2 pulse inputs + 2 pulse outputs • wireless M-Bus + 2 pulse inputs • wired M-Bus + 2 pulse inputs • RS232 + 2 pulse inputs
Display	LCD, 8 digits + text row
Materials	Flow metering section – stainless steel Meter housing - plastic
Protection class	Sensor electronic - IP65 Flow metering section - IP68
Accuracy class (OIML R49)	2
Ambient class (OIML R49)	C
Electromagnetic environment (MID)	Class E1
Mechanical environment	Class M1 and M2
Data history	Depth: • hourly - 1680; • daily - 366; • monthly - 36; • yearly - 15
Maximum flow rate	Maximum value is calculated on the basis of averaged values per set time interval. Interval of averaging is from 1to 30 minutes. Maximum values are stored in data history
Temperature sensors	Pt1000 ⌀5 мм

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