The future of smart metering

Sontex presents its latest generation integrator, the Supercal 5. It convinces thanks to its many attractive innovations.

The Supercal 5 is an integrator based on our user-friendly, modular design, offering multifunctional state-of-the-art technology: NFC, freely configurable tariff and data logger functions, versatile communication possibilities, both wire-based (e.g. M-Bus, Modbus, BACnet) and wireless (Sontex radio, wM-Bus). Modules can be upgraded at any time without losing calibration. It operates with battery or mains supply.

Rugged and durable
Particularly rugged construction of casing, mechanical and electrical connections.

Simple
Installation, configuration and start-up in no time, detects modules automatically.

Data backup
Internal memory gives perfect access to operating data even years later.

Versatile
Can be used for all sorts of volume measuring devices and special cooling liquids.

Practical
Easy-to-read display thanks to back lighting.

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The most important innovations

1	Placeholder for customer logo
2	Large display, user-friendly navigation
3	NFC technology for ultra-simple configuration on site with Superprog Android
4	LEDs for integrator status display
5	Optimised casing for simple installation

Superprog software

Windows version
- Use on a Windows PC
- Parametrisation of the integrator
- Readout of operating data
- Setting digital inputs and outputs
- And much more

Android version
- Use on an NFC-enabled smartphone
- Activation of the integrator
- Cloning of an existing integrator's settings onto a new integrator

Specifications

Approvals		MID and EN1434
Temperature	Absolute temperature range	- 20 °C to 200 °C
	Temperature range	θ: 1 °C to 200 °C
	Differential area	ΔΘK: 3 K to 150 K
	Temperature resolution Δt (display)	0.01 K
	Temperature sensor	Pt500, 2- or 4-wire connection
	Measurement cycle	Every 3 s with mains, every 30 s with battery
Environment	Environmental classes	Class C, M1 and E1
	Ambient temperature	5 °C to 55 °C
	Storage and transport	- 25 °C to 70 °C
	Protection class	IP 65 in accordance with IEC 60529
Display	Dot-Matrix display	128×64 pixel, backlight illuminated with mains
	Energy	kWh, MWh, MJ, GJ, kBtu, MBtu, Mcal, Gcal
	Volume	m3, gal (US), kgal (US)
	Temperature	°C, °F
Power supply	Battery	D-cell lithium 3,6 V
	Mains supply	110 VAC to 240 VAC, 50/60 Hz 12 VAC to 36 VAC or 12VDC to 42 VDC
	Backup supply	A-cell lithium
Pulse inputs	Input frequencies	Without supply: max. 5 Hz, D-cell or mains: max. 200 Hz
	Input voltage	0 V to 30 V
	Display of	Energy or volume
Pulse outputs	Output frequencies	Without supply: max. 5 Hz, D-cell or mains: max. 200 Hz
	Output voltage	0 to 60 VDC or 0 to 60 VAC
Dimensions	Height × width × depth	162 × 143 × 53.5 mm

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