



Ares 10

Low-cost GSM thermometer with remote management and alarming via calls, texts or e-mail



1-Wire sensors



Digital inputs



SMS notifications



E-mail notifications



Data logging



USB data port



SensDesk portal



XML interface

*Ares 10 is a cost-effective **GSM thermometer** for remote monitoring and alerting over GSM for locations without LAN access. Connect up to **3 external sensors** and **2 dry contact detectors**.*

*Use the SensDesk portal to **configure the Ares**, **send alarms** or **display graphs**.*

*Ares monitors the readings of connected sensors. When a value reaches the alarm threshold, the device **sends an e-mail** or a **text message (SMS)**, or **dials specified numbers**.*

*Ares products are ready for **remote mass deployment** using **FOTA (Firmware Over The Air)**.*

Connect up to **3 sensors** over the **1-Wire/1-Wire UNI (RJ11)** bus (max 3 measured values) and up to **2 digital dry contact inputs** for external detectors.

Data can be sent in **e-mail** attachments or downloaded **via USB**. Display the data using the SensDesk portal, its iOS or Android mobile version, or third-party apps (Nagios etc.).

Alarms are notified by **calling and texting** up to 5 numbers, **e-mailing** up to 5 addresses, or via the **SensDesk portal**.

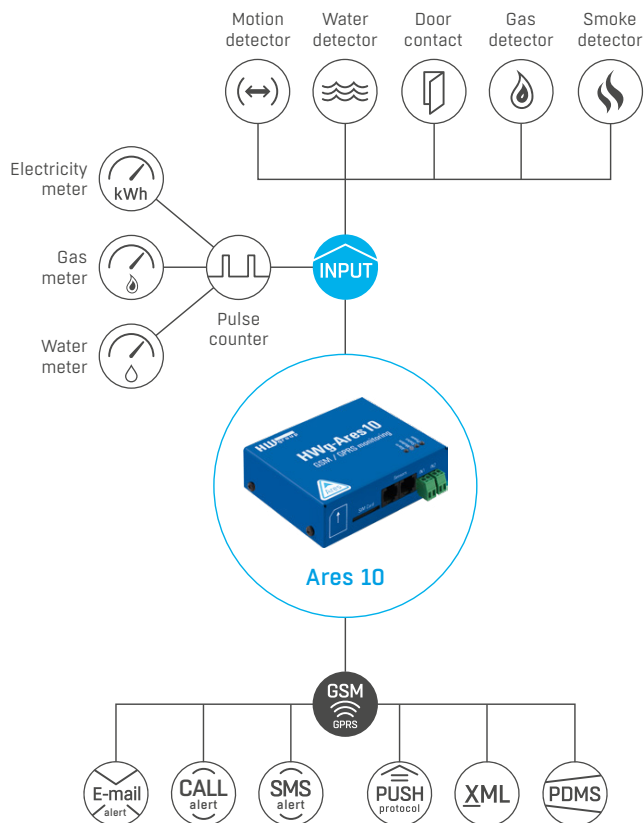
The "Tset" start set includes a temperature sensor with a cable that can be extended to up to 60 m.

The device can be **configured remotely** at the "AresConf" tab in the SensDesk portal. Remote firmware upload (FOTA) capability makes Ares devices ideal for large-scale deployments.

Use the USB interface to configure the device from a PC; no need to install any additional software.

Typical application examples

- Electricity distribution networks (transformer stations, lines)
- Water source monitoring, including technical equipment status
- Agricultural premises (greenhouses, granaries, etc.)
- Road, highway, or railroad technology
- Temperature and thermal expansion of structures
- Diesel generators – environment and status monitoring



Differences between Ares 10 vs. Ares 12

	Ares 10	Ares 12
1-Wire UNI sensors	3×	14×
External Relay Outputs compatible	✗	✓
Battery	✗	✓

Versions and related products



Ares 10 plain

3× 1-Wire UNI, 2× DI, device only



Ares 10 set

Bulk + temperature sensor, power adapter, GSM antenna, USB cable and CD with software



Ares 12

14× 1-Wire UNI, 2× DI, battery



Converter 2xPt100 1W-UNI

Double converter for Pt-100 and Pt-1000 probes



Back-Up UPS 12V

Backup power supply. 12V, 1,3Ah

GSM / GPRS

Interface	Quad-Band 850/900/1800/1900MHz, GPRS class 10/8 Compliant to GSM phase 2/2 – Class 4 (2W @ 850/900MHz) – Class 1 (1W @ 1800/1900MHz)
Supported protocols	IP: TCP, UDP, HTTP, SMTP, HWg-PUSH

Sensors

Type	HWg original accessories: 1-Wire & 1-Wire UNI
Connector	RJ11 (1-Wire Bus)
Sensors	Up to 3 sensors
Sensor distance	Up to 60m

Dry contact inputs

Port	I1, I2
Type	Digital Input (supports NO/NC Dry contact)
Sensitivity	1 (On) = 0-500 Ω (Right pin on the terminal block can be connected to 12V GND)
Max. distance	Up to 50m

Power input

Port	9-30 V DC
Type	Main device power input (typically 500mA)
Connector	Jack (barrel, inner 2,1mm outer 5,5mm) + Terminal Block

Physical parameters

Temperature range	Operating: 5 to +50 °C (+41 to +122 °F) Storage: -25 to +85 °C (-13 to +185 °F)
Dimensions / Weight	76×93×31 mm / 150g
EMC	FCC Part 15, Class B, CE - EN 55022, EN 55024, EN 61000

Configuration interface

