



Ares 10

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



3 1-Wire
UNI
sensors 1-Wire
sensors

2 DIGITAL
input Digital
inputs

5 SMS
alert SMS
notifications

5 E-mail
alert E-mail
notifications

Buffer
data logger Data
logging

USB
USB
data port

SensDesk
SensDesk
portal

XML
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.

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

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.

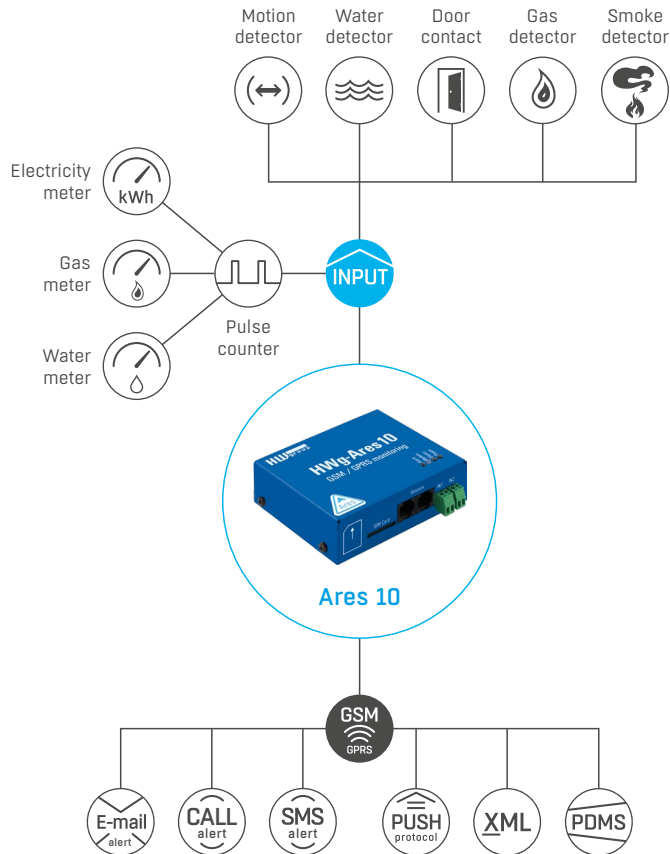
Data can be sent in **e-mail** attachments or downloaded **via USB**. Display the data using the SensDesk portal, its iOS or Android mobile version, or third-party apps (Nagios etc.).

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

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	3x	14x
External Relay Outputs compatible	✗	✓
Battery	✗	✓

Versions and related products



Ares 10 plain
3x 1-Wire UNI, 2x DI, device only



Ares 10 set
Bulk + temperature sensor, power adapter, GSM antenna, USB cable and CD with software



Ares 12
14x 1-Wire UNI, 2x DI, battery



Converter 2xPt100 1W-UNI
Double converter for Pt-100 and Pt-1000 probes



Back-Up UPS Lite
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 (0n) = 0-500 Ω (Right pin on the terminal block can be connected to 12V GND)
Max. distance	Up to 50m

Power input	
Port	9–30V 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	76×93×28 mm / 150g
EMC	FCC Part 15, Class B, CE - EN 55022, EN 55024, EN 61000

Configuration interface