



# Ares 12

Industrial measuring and monitoring for 14 sensors, communication over GSM and back-up power



Battery



1-Wire sensors



Digital inputs



SMS notifications



E-mail notifications



Data logging



USB data port



SensDesk portal

*Ares 12 is an industrial unit for remote monitoring and alarming over GSM for locations without LAN access. Includes battery backup. Connect up to 14 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 **14 sensors** or a relay output extender unit over the **1-Wire/1Wire UNI bus** (RJ11) and up to **2 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.).

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.

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

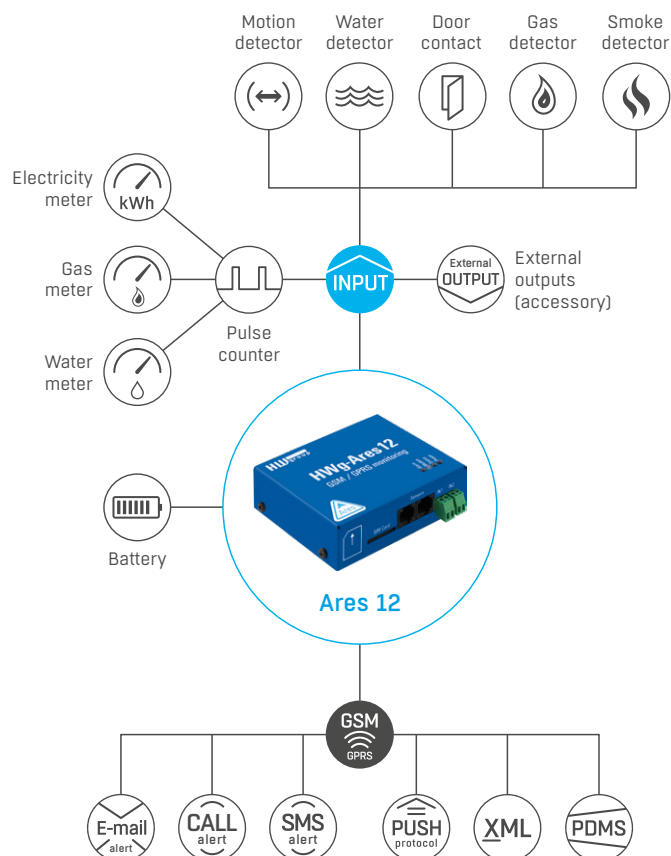
Ares 12 includes an internal battery that provides back-up power for up to 24 hours.

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

Ares 12 can be mounted to a wall or a DIN rail.

## Typical application examples

- GPRS monitoring of machines and their environment
- ATMs – environment monitoring without tampering with the connection
- Art exhibits and depositories
- Storages of food or materials
- Cooling systems and coolers



## Differences between Ares 12 vs. Ares 10

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

## Versions and related products



**Ares 12 plain**  
14x 1-Wire UNI, 2x DI, device with battery only



**Ares 12 set**  
Bulk + temperature sensor, power adapter, GSM antenna, USB cable and CD with software



**Ares 10**  
3x 1-Wire UNI, 2x DI



**Expander 4xDI 1W-UNI**  
Expands one 1-Wire UNI to four digital inputs



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

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 14 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	76×93×31 mm / 150g
EMC	FCC Part 15, Class B, CE - EN 55022, EN 55024, EN 61000

## Configuration interface