



SIMPLE & RELIABLE TEMPERATURE MONITORING



Monitor. Alarm. Validate.

Spend Less Time on manual processes
to safeguard critical materials for your
organization

Food & Beverage Storage in Walk-In Coolers & Distribution Centers



Clean Rooms



Use Cases

Our devices meet the needs of organizations that have stringent temperature compliance requirements



**ULT & Cryogenic
Freezers**



**Specimen & Other
Lab Materials**

**Vaccine &
Drug Storage**





1

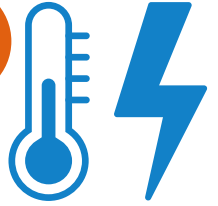
Peace of Mind

That you are compliant with Audits and Regulatory Agency requirements

Wide Sensor Range

Variety of sensor options for your applications due to universal inputs

2



Accsense

Made by CAS Dataloggers

Top Benefits of the Accsense Monitoring System

3



Alarming

Gives you the ability to be notified via Local notifications through the App, SMS/Text, Email, or Phone Call alarms

User Data Management

Configure user types and access roles for your organization's staff

4



Temperature & Humidity Sensors: Frequently Used

E1-21 Compact RTD



Compact RTD Probe - Stainless Steel Casing
Suitable for measurements of -100C to +100C
10' x 0.075" Diameter Wire
Use with **E1-34-1** Nylon Thermal Buffer or the
E1-35-1 Glycol Bottle

E1-25 Type T Thermocouple



Type T Thermocouple Probe
Suitable for measurements of -200C to +100C
6' x 0.10" Diameter Wire
Use with **E1-34-2** Nylon Thermal Buffer or the
E1-35-2 Glycol Bottle

RHT Climate - WM Temp/Humidity Sensor



Wall Mount Temperature & Humidity Sensor
Suitable for measurements of -40C to +60C
0 to 100% Resting Humidity (non-
condensing)
Requires 12-30 VDC Power Supply
*Also available with Duct Mount Configuration
and with LCD Screen*

E1-23 100 Ohm 3 Wire RTD



3-Wire RTD Transition Junction Probe
Suitable for measurements of -200C to
+350C
10' x 0.25" Diameter Wire, 3.5" Probe Length
Use with **E1-34-1** Nylon Thermal Buffer or the
E-35-1 Glycol Bottle

Additional sensor types such as O2 Deficiency, Door Alarm, Carbon Dioxide, Differential Pressure, etc. are available. Contact us for more information.

Ethernet Multi-Channel Data Logger



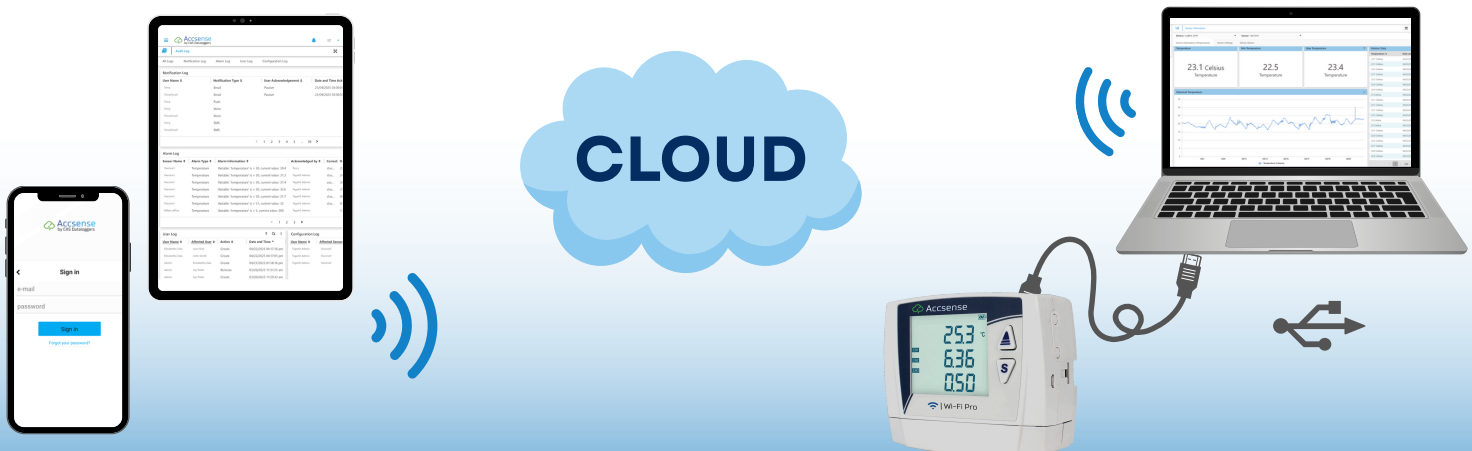
- ✓ Suitable for mobile applications in long distance locations
- ✓ Configuration and data download via USB or NOVUS Cloud
- ✓ SMS alarm notification
- ✓ Built-in rechargeable backup battery (up to 80 hours)
- ✓ Data communication via LTE network through NXperience and SCADA softwares

Configuration & Cloud Monitoring

The Ethernet Pro is a simple plug and play device. It will come preconfigured. Configurations can be changed using NXperience.

User management, device management, alarm management, and data management are all on [Accsense Cloud Monitoring](#).






Accsense Cloud Monitoring is the complete tool for data analysis and monitoring which includes live data, historical records, and audit logs with alarm history and their acknowledgements. Data, reports, and logs can all be downloaded by users.



| Wi-Fi Pro

Wi-Fi Multi-Channel Data Logger



-  Suitable for mobile applications in long distance locations
-  Configuration and data download via USB or NOVUS Cloud
-  SMS alarm notification
-  Built-in rechargeable backup battery (up to 80 hours)
-  Data communication via LTE network through NXperience and SCADA softwares

Configuration & Cloud Monitoring

The WiFi Pro requires WiFi credentials to be updated on NXperience. Configurations can be changed using NXperience.

User management, device management, alarm management, and data management are all on [Accsense Cloud Monitoring](#).

Accsense Cloud Monitoring is the complete tool for data analysis and monitoring which includes live data, historical records, and audit logs with alarm history and their acknowledgements. Data, reports, and logs can all be downloaded by users.



Technical Specifications

	Wi-Fi Pro	Ethernet Pro
Input Signal	1 Digital Input, 1 Analog Input	
Analog Signal Types	Thermocouples: J, K, T, N, E, R, S, B, Pt100, 0-50 mV, 0-5 V, 0-10 V, 0-20 mA, 4-20 mA	
Digital Input Functions	Counts Pulses, Records Events or Starts Logger	
Digital Output	1 PNP output (Electronic Switch or Alarm)	
Internal Sensors	NTC for temperature, battery voltage and external power supply	
Display	3 lines with 4½ digits	
Resolution	15 bits	
Memory Capability	140.000 records	
Record Interval	1 s to 18 h	
Variable Record	Instantaneous or average	
Acquisition Trigger	Date/Hour, Start button, digital input or by software	
Alarms	8 Alarms (two per channel) Low and High	
Internal Buzzer	Yes	
Communication Interface	USB, Wi-Fi 802.11 b/g/n	USB, Ethernet (RJ45) 10/100Mb/s, IEEE Standard 802.3u
Configuration Software	NXperience Mobile for Android and iOS NXperience for Windows	
Protocols	MQTT, Modbus TCP protocols & Cloud	
Power Supply	10-30 Vcc	
Backup Battery	4 AA alkaline piles Typical autonomy 2 years (without Wi-Fi)	
Operation Temperature	W/ power supply: -20 to 70 °C W/ AA batteries: -10 to 50 °C	
Enclosure Protection	IP40	
Dimensions	120 x 100 x 40 mm	

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