

Ambient Server

Laboratory Condition Monitoring Device

Ambient Server is a condition monitoring station developed and manufactured by MicroStep-MIS for laboratory use. It provides accurate and reliable monitoring of ambient temperature, relative humidity and atmospheric pressure, helping laboratories maintain stable environmental conditions for precise measurements and calibration processes.



Sensors

High-quality sensors monitor temperature, relative humidity and atmospheric pressure, ensuring accurate measurements and stable long-term operation of the device.

Color touchscreen display

The 5-inch LCD touchscreen enables easy operation and quick status checking. It also allows users to configure communication parameters and other device settings.

Connectivity

Ambient Server is equipped with Ethernet connectivity as standard, enabling remote access and control of the device. Measurement data can also be logged to an external USB drive.

**Reliable monitoring
for your laboratory**

Technical Specifications

Pressure Measurement

Measurement range	(600 to 1100) hPa
Accuracy (@25°C)	± 0.3 hPa
Long-term stability	± 0.2 hPa / year
Minimum pressure limit	0 hPa
Maximum pressure limit	1500 hPa
Resolution	0.01 hPa

Relative Humidity Measurement

Measurement range	(0 to 100) %RH
Accuracy (@25°C)	± 1% RH
Long-term stability	1.0 %RH/year
Sensor type	Capacitive sensor

Temperature Measurement

Measurement range	-10 to 40 °C
Accuracy (@25°C)	± 0.2 °C
Long-term stability	0.1°C /year
Sensor type	PT100

General Information

Power supply	Standard USB-C voltage or PoE
Remote communication	Ethernet
Data logging	External USB drive
Weight	300 g (approximately)
Dimensions	80 x 95 x 65 mm

Environmental Parameters

Operating temperature	-10 to 40 °C
Operating relative humidity	< 80 %RH

