





Datasheet Log&Guard Sensors

This datasheet confirms that all sensors listed below have passed the internal quality controls before dispatch.

Sensor Type	Acceptance criteria	On-site calibration	
CO₂ sensor	measuring range 0 – 10 % CO ₂ accuracy +/- 3% FS + 2% of the indicated value resolution 0.1 %	By calibrated handheld analyzer with certificate	
O₂ sensor	measuring range 0 – 25 % O ₂ accuracy < 2% FS resolution 0.1 % sensor lifetime 3 years from installation date	By calibrated handheld analyzer with certificate	
VOC sensor	measuring range 0 – 20 ppm accuracy +/- 0.1 ppm resolution 0.01 ppm sensor lifetime 1 year from installation date	Sensor S/N: Calibration factor A: Calibration factor B:	
Temperature Sensor	measuring range -50 to +150°C accuracy +/- 0.5°C resolution 0.1°C	By calibrated handheld thermometer	
Ultralow Temperature Sensor (wire / wireless)	measuring range -199 to 199°C accuracy +/- 0.5°C resolution 0.1 °C	Immersion in LN ₂ (-196°C by definition)	
Room temperature and humidity	measuring range -25 to +60°C / 0,0 ...100%rH accuracy +/- 0.3°C / +/-2% rH resolution 0.1 °C / 0.1 %rH	By calibrated handheld thermometer/ By calibrated handheld hygrometer	
Universal Sensor for Embryo Culture	measuring range 0 – 10 % CO ₂ accuracy +/- 0.18 % at 5 % CO ₂ resolution 0.1 % CO ₂ measuring range -40 to +125°C / 0 -100 % rH accuracy +/- 0.2°C / +/-2 % rH resolution 0.1 °C / 0.1 % rH	By calibrated handheld analyzer with certificate By calibrated handheld thermometer/ By calibrated handheld hygrometer	
B:safe	measuring range 0 – 100 kg accuracy +/- 20 g resolution 10 g measuring range -199 to +50°C accuracy +/- 0.5°C resolution 0.1 °C	By single-point calibration to externally measured value	