

Composting Probe



Model : **AM 39-K**

용도

Applications

- 식물 등의 퇴비화 과정에서 발생하는 산소 농도와 온도 측정
- 식물의 호흡과 에너지 순환 측정
- 토양 오염분포 측정

특징

Features

- 높은 정확도와 뛰어난 내구성
- 대기로 교정 가능한 편리성
- 동시에 산소 및 온도 측정 가능
- 측정값 자동 저장 및 PC 출력 가능
- 센서가 스테인레스 탐침봉에 내장
- 현장 작동이 용이하고, 방수형 케이스

SPECIFICATIONS

INSTRUMENT

Measuring range	Oxygen content: 0 - 200%; resolution 1% Temperature: 5 - 80°C; resolution 1°C
Temperature compensation	Automatic 5 - 80 °C in connection with the built-in temperature probe in the sensor
Calibration method	Air calibration
Data storage	Memory for approx. 3,200 data sets
Interface	RS-232 for configuration and data read-out
Display	LCD 2 lines, 7mm
Power supply	Battery 9V, IEC 6 F22
Ambient temperature	-10 - 55°C
EMC	Accordance EN 61326 class B; EMC standard 89/336/EWG
Housing	Protection IP 65; dimensions 200mm x 90mm x 40 mm (LxWxH)
Weight	Approx. 0.260 Kg (with battery)
Software programme 'AM 39' functions	Configuration and read out of the data logging system Calibration functions for air calibration and by comparison measurement

SENSOR	
Measuring range	Oxygen content: 0 - 0.3 bar oxygen partial pressure Temperature: 5 - 80°C
Operating temperature	5 - 80 °C
Air humidity	Max. 100% relative air humidity but no condensation on the sensor membrane
Response time t ₉₀	Oxygen: Approximately 260s at 25°C for change between ambient air to nitrogen Temperature: Approximately 14 minutes at 25°C (sensor in stick-in housing)
Dimensions	Shaft lengths 120mm; shaft diameter 18mm
Temperature sensor	Platinum resistor Pt 1000
Admissible overpressure	Max. 1 bar above atmospheric
Measuring position	30° or up to 45° from vertical
Material	FEP, stainless steel 1.4571, POM
Connection cable	Fixed multi-wire screened cable 2.5m with plug (special cable length upon request)

OXYGEN/TEMPERATURE STICK-IN HOUSING	
Material	Stainless steel WS 1.4571 (DIN 17440)
Operating temperature	0 - 80°C
Dimensions	Ø 22mm (shaft), approx. 28mm (tip), total length about 1100mm
Weight	About 2.5 kg
Electrical connection	Fixed cable from oxygen sensor

CONFIGURATIONS

Instrument(39-K)	1 set
Oxygen/Temperature Probe	1 set
Maintenance Set	1 set
PC Software Program	1 set
RS-232 Connection Cable	1 set
Carrying Case	1 set
Operating Manual	1 set
Quality Certificate	1 set