

Technical Specifications

Sensor Strings

Sensing Range	-55 to 100	°C
Accuracy over entire range	±2	°C
Accuracy over 10-45°C range	±0.5	°C
Sensor Technology	Digital Semiconductor	
Working Range	0-90	°C
Cable outer diameter	6	mm
Sensor diameter max.	20	mm
Minimum bend radius	100	mm
Maximum number of sensors per string	80	
Maximum string length	60	m

Control Unit

Environmental protection	IP65	
Case material	Powder-coated steel	
Case wall thickness	1.2	mm
Case dimensions	300×250×150	mm
Maximum number of string connections	8	
Minimum battery life (1 reading per hour with solar top-up)	6	months
Battery operating temperature range	-20 to 50	°C
Battery charging temperature range	5 to 30	°C
Maximum reading interval	20	s

Wireless Networking

Operating frequency band	868	MHz
Range (outdoor, line of sight)	1	km
Network topography	mesh	
Maximum number of units per network	>100	

PC / Software

Operating system	Windows 7 onwards with admin login
Wireless network interface connection	1 spare USB port
Data collection application	local Windows service
Data viewing application	Windows application
Data storage	Secure online database with daily backups