



Technical Data

Wireless fiberglass spear probe AGST-F

Article	Wireless Fiberglass Spear Probe AGST-F
Article number	1110001
Application purpose	Measurement of temperatures in bulk storages
Scope of delivery	Spear probe
General information	
Operation	Insert probe directly into product Only works together with a wireless Scanbox ADT-F (network point)
Material	Upper part: aluminium powder-coated housing PE-UHMW, food safe rod: fiberglass, sheathed tip: stainless steel
Lengths	possible from 2.0m to 16.0m
Weight	handle: approx. 0.31kg tube: approx. 0.20kg/m
Breaking load	max. 18kN
Test load	max. 15kN
Zone allocation	Zone 22
Functional data	
Measuring method	analogue with PT10K
Measuring range	-40°C to 150°C
Max. transmission distance	30m indoor / 500m free view
Max. temperature sensors	6
Electrical data	
Operating voltage	3.6V _{DC} , Li-Ion battery
Power	max. 0.24W
Operating time	5 to 8 years in normal operation without direct measurement
Transmitting power	3mWpp
Transmission frequency	2.4GHz, IEEE802.15.4
Temperature range	
Ambient	-20°C to +55°C
Process	-20°C to +55°C
Storage	-20°C to +60°C / max. 2 years
Air humidity	max. 95% non-condensing
Safety relevant data	
Protection class	Protection class III
IP protection class	IP65
ATEX certification	Explosion-protected for Zone 22 areas endangered by flammable rods according to ATEX EN 60079-31-31-31