USDA PROBE

USDA Sensor – Pulp Probe for Reefer Containers

Technical datasheet · NTC pulp temperature probe for in-transit cold treatment



Technical specifications

Sensor element	NTC thermistor
Accuracy	±0.1 °C at 0.0 °C (finished probe, ice bath)
Operating range	–40 °C to +70 °C
Probe body	Stainless steel SS316, Ø 2.5 mm
Cable	Black PUR, 15 m
Compatible with	Carrier, Thermo King, Star Cool and Daikin reefer controllers
Traceability	Batch number linked to the delivery invoice
Warranty	3 years (manufacturing defects)

Compatible part numbers

Compatible replacement for the following OEM USDA probes. Not an original part.

Brand	OEM part number
Carrier	12-50089-02
Carrier	12-00789-20PK4
Thermo King	41-8188
Thermo King	41-3107

Star Cool	818555C
Star Cool	818555B

Quality, calibration and supply

Every probe is tested before it leaves the factory. Field check in an ice bath at 0.00 °C, as described in our ice-bath calibration technical note. Prices quoted ex works (EXW); worldwide shipping, freight and customs clearance quoted per order.

Contact

contact@usdaprobe.net · usdaprobe.net/en/usda-sensor/

USDA PROBE is an independent manufacturer, not affiliated with the USDA or with the equipment brands mentioned. Brand names and part numbers are used only to indicate compatibility. Cold-treatment requirements are set by each protocol and verified by the competent authorities.