

743 outside air temperature sensor



Overview

Unique design to provide accurate temperature indication of outside air. The shield's two slots allow efficient air flow across the temperature sensor. The integrated sun shield is designed to prevent ice buildup and eliminate incorrect readings caused by exposure to direct sunlight. PVC weather resistant housing and sun shield provide excellent UV aging and corrosion resistance and are U/L listed. This model is available with water resistant housing and the sensor is easily removed for maintenance. Ideal for remote sensing when used in conjunction with optional temperature transmitter.

Technical specification

Feature	Description
Element type	Standard platinum, 100 ohms @ 0C (32F), .00385, TCR, with optional Pt1000 and 10K thermistor
Accuracy	Standard DIN-B
Termination housing	Standard PVC weather resistant box, with a NEMA4 steel box available as an option.
Maximum operating temperature	90°C (194°F)
Sensor lead wire	Three 24 AWG Teflon insulated
Insulation resistance	Greater than 100 Megohms @ 100VDC @ 21C (70F)
Accessory	4500H transmitter (0502-157-0003)

About Ultra Energy

Organizations working with nuclear and industrial technologies must deliver reliable production at the same time as safeguarding people, the environment and infrastructure. We develop and manufacture measurement and control solutions that give our customers complete, long-term control over systems operating in harsh environments, helping them operate safely and increasing the value derived from their investments over their total lifespan.

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