

REPLACEABLE SENSORS™

With Dickson's Replaceable Sensors™, you can recalibrate any compatible device on the fly without having to send in your device. Just order a newly calibrated sensor, receive it in the mail, and plug it into the unit in a motion that's as simple as swapping batteries in your television remote.



ZERO DOWN TIME

Take the old sensor off. Put the new sensor on. It's that simple.



COMPLIANT

Sensors come with your choice of NIST or A2LA calibration certificates.



COST-EFFECTIVE

Backup units are no longer needed. Pay for a sensor, not an extra device.



THIRD GENERATION

COMPATIBLE WITH DSB



RS010
RS050



RS020



RS021



RS030



RS031



RS040

MODEL	DESCRIPTION	RANGE	ACCURACY	PRICE
RS010	AMBIENT TEMPERATURE AND HUMIDITY SENSOR	-40°F TO 185°F (-40°C TO 85°C)	±0.8°F FROM 20°F TO 120°F 1.2°F (±0.44°C FROM -40° TO 85°C 0.66°C) ±2°RH FROM 5° TO 95°RH	
RS020	SINGLE TEMPERATURE THERMISTOR WITH BUFFER	-58°F TO 158°F (-50°F TO 70°C)	±0.9°F FROM -58°F TO 68°F (±0.5°C FROM -50° TO 20°C)	
RS021	DUAL TEMPERATURE THERMISTOR WITH BUFFER	-58°F TO 158°F (-50°C TO 70°C)	±0.9°F FROM -58°F TO 68°F (±0.5°C FROM -50°C TO 20°C)	
RS030	SINGLE K-THERMOCOUPLE TEMPERATURE SENSOR	-300°F TO 2000°F (-184°C TO 1093°C)	±1.8°F FROM -22°F TO 122°F 3.8°F (±1°C FROM -30°C TO 50°C 2.1°C)	
RS031	DUAL K-THERMOCOUPLE TEMPERATURE SENSOR	-300°F TO 2000°F (-184°C TO 1093°C)	±1.8°F FROM -22°F TO 122°F 3.8°F (±1°C FROM -30°C TO 50°C 2.1°C)	
RS040	PLATINUM RTD TEMPERATURE SENSOR	-148°F TO 350°F (-100°C TO 176°C)	±0.5°F FROM -148°F TO 350°F (±0.3°C FROM -100°C TO 176°C)	
RS050	AMBIENT TEMPERATURE SENSOR	-22°F TO 122°F (-30°C TO 50°C)	±1.2°F FROM 20°F TO 122°F (±1°C FROM -30°C TO 50°C)	

SECOND GENERATION

COMPATIBLE WITH DWE, TWE, TWP, TSB



MODEL	DESCRIPTION	RANGE	ACCURACY	PRICE
RKTC	SINGLE K-THERMOCOUPLE TEMPERATURE SENSOR	-300°F TO 2000°F (-184°C TO 1093°C)	±1.8°F FROM -22°F TO 122°F (±1°C FROM -30°C TO 50°C)	
RKTC2	DUAL K-THERMOCOUPLE TEMPERATURE SENSOR	-300°F TO 2000°F (-184°C TO 1093°C)	±1.8°F FROM -22°F TO 122°F (±1°C FROM -30°C TO 50°C)	
RTHM	SINGLE GLYCOL THERMISTOR SENSOR	-58°F TO 158°F (-50°C TO 70°C)	±0.9°F FROM -58°F TO 68°F (±0.5°C FROM -58°C TO 20°C)	
RTHM2	DUAL GLYCOL THERMISTOR SENSOR	-58°F TO 158°F (-50°C TO 70°C)	±0.9°F FROM -58°F TO 68°F (±0.5°C FROM -58°C TO 20°C)	
RTMP	TEMPERATURE SENSOR	-22°F TO 122°F (-30°C TO 50°C)	±1.2°F FROM 20°F TO 122°F (±0.7°C FROM -7°C TO 50°C)	
RTMP-R	RIGHT ANGLE TEMPERATURE SENSOR	-22°F TO 122°F (-30°C TO 50°C)	±1.2°F FROM 20°F TO 122°F (±0.7°C FROM -7°C TO 50°C)	
RTRH	TEMPERATURE AND HUMIDITY SENSOR	-40°F TO 185°F (-40°C TO 85°C)	±0.8°F FROM 20°F TO 122°F (±0.4°C FROM -6.7°C TO 50°C) ±2% RH FROM 5% TO 95% RH	
RTRH-R	RIGHT ANGLE TEMPERATURE & HUMIDITY SENSOR	-40°F TO 185°F (-40°C TO 85°C)	±0.8°F FROM 20°F TO 122°F (±0.4°C FROM -6.7°C TO 50°C) ±2% RH FROM 5% TO 95% RH	
RRTD	PLATINUM TEMPERATURE SENSOR (6FT CABLE)	-148°F TO 350°F (-100°C TO 176°C)	±0.5°F FROM -148°F TO 350°F (±0.3°C FROM -100°C TO 176°C)	
RS080	DIFFERENTIAL PRESSURE SENSOR (2")	± 2 INCHES H ₂ O	±3% FROM -2 TO 2 INCHES H ₂ O	
RS081	DIFFERENTIAL PRESSURE SENSOR (0.5")	± 0.5 INCHES H ₂ O	±3% FROM 0.5 TO 0.5 INCHES H ₂ O	

FIRST GENERATION

COMPATIBLE WITH CHART RECORDERS, WIZARD



MODEL	DESCRIPTION	RANGE	ACCURACY	PRICE
R200	AMBIENT TEMPERATURE & HUMIDITY SENSOR – RIGHT ANGLE	-40°F TO 185°F (-40°C TO 85°C)	±0.8°F FROM 20°F TO 122°F 1.8°F (±0.4°C FROM -6.7°C TO 50°C 1°C) ±2% RH FROM 5% TO 95% RH	
R250	AMBIENT TEMPERATURE & HUMIDITY SENSOR	-40° TO 185°F (-40°C TO 85°C)	±0.8°F FROM 20°F TO 122°F 1.8°F (±0.4°C FROM -6.7°C TO 50°C 1°C) ±2% RH FROM 5% TO 95% RH	
R300	AMBIENT TEMPERATURE SENSOR – RIGHT ANGLE	-148°F TO 350°F (-100°C TO 176°C)	±1.2°F FROM 20° TO 122°F (±1°C FROM -30°C TO 50°C)	
R400	SINGLE K-THERMOCOUPLE TEMPERATURE SENSOR	-300°F TO 2000°F (-184°C TO 1093°C)	±1.8°F FROM -22°F TO 122°F (±1°C FROM -30°C TO 50°C)	
R500	SINGLE TEMPERATURE THERMISTOR WITH BUFFER	-58°F TO 160°F (-50°C TO 71°C)	±0.9°F FROM -58°F TO 68°F (±0.5°C FROM -58°C TO 20°C)	
R600	PLATINUM RTD TEMPERATURE SENSOR	-148°F TO 350°F (-100°C TO 176°C)	±0.5°F FROM -148°F TO 350°F (±0.3°C FROM -100°C TO 176°C)	
R700	DUAL K-THERMOCOUPLE TEMPERATURE SENSOR	-300°F TO 2000°F (-184°C TO 1093°C)	±1.8°F FROM -22°F TO 122°F (±1°C FROM -30°C TO 50°C)	
R800	DUAL TEMPERATURE THERMISTOR WITH BUFFER	-58°F TO 160°F (-50°C TO 71°C)	±1.2°F FROM 69°F TO 122°F (±0.7°C FROM 21°C TO 70°C)	