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HM41 Summary:

Relative humidity and temperature portable calibrator shall incorporate a thin film polymer capacitive HUMICAP® 180R humidity sensor and have accuracy of $\pm 1.5\%$ RH (0 ... 90 %RH) and $\pm 2.5\%$ RH (90 ... 100 %RH) between 0 ... 40 °C (32 ... 104 °F). Measurement probe (HMP113) shall be fixed to the indicator. Temperature sensor shall be a platinum 1000 Ω RTD with accuracy of ± 0.2 °C (0.36 °F) between 0 ... +40 °C (+32 ... +104 °F) with a measurement range of -10 ... +60 °C (+14 ... 140 °F). Indicator shall additionally be able to calculate and display dew point, wet bulb temperature, absolute humidity, mixing ratio, and enthalpy. The graphical LCD display shall feature multilingual menu-based user interface. Shall have the ability to be calibrated by the user in the field or offer an interchangeable, calibrated probe. Traceable calibration certificate included.

HM42 Summary:

Relative humidity and temperature portable calibrator shall incorporate a thin film polymer capacitive HUMICAP® 100R-Mini humidity sensor and have accuracy of $\pm 1.5\%$ RH (0 ... 90 %RH) and $\pm 2.5\%$ RH (90 ... 100 %RH) between 0 ... 40 °C (32 ... 104 °F). Measurement probe (HM42PROBE) shall be remote, connected to the indicator with a cable connection. Temperature sensor shall be a platinum 1000 Ω RTD with accuracy of ± 0.2 °C (0.36 °F) between 0 ... +40 °C (+32 ... +104 °F) with a measurement range of -40 ... +100 °C (-40 ... +212 °F). Indicator shall additionally be able to calculate and display dew point, wet bulb temperature, absolute humidity, mixing ratio, and enthalpy. The graphical LCD display shall feature multilingual menu-based user interface. Shall have the ability to be calibrated by the user in the field or offer an interchangeable, calibrated probe. Traceable calibration certificate included.

HM45 Summary:

Relative humidity and temperature portable calibrator shall incorporate a thin film polymer capacitive HUMICAP® 180R humidity sensor and have accuracy of $\pm 1.5\%$ RH (0 ... 90 %RH) and $\pm 2.5\%$ RH (90 ... 100 %RH) between 0 ... 40 °C (32 ... 104 °F). Measurement probe (HMP113) shall be fixed to a handle (HM40HANDLE) and connected to the indicator via cable connection. Temperature sensor shall be a platinum 1000 Ω RTD with accuracy of ± 0.2 °C (0.36 °F) between 0 ... +40 °C (+32 ... +104 °F) with a measurement range of -40 ... +60 °C (-40 ... 140 °F). Indicator shall additionally be able to calculate and display dew point, wet bulb temperature, absolute humidity, mixing ratio, and enthalpy. The graphical LCD display shall feature multilingual menu-based user interface. Shall have the ability to be calibrated by the user in the field or offer an interchangeable, calibrated probe. Traceable calibration certificate included.

HM46 Summary:

Relative humidity and temperature portable calibrator shall incorporate a thin film polymer capacitive HUMICAP® 180R humidity sensor and have accuracy of $\pm 1.5\%$ RH (0 ... 90 %RH) and $\pm 2.5\%$ RH (90 ... 100 %RH) between 0 ... 40 °C (+32 ... 104°F). Measurement probe (HM46PROBE) shall be remote, connected to the indicator with a cable connection. Temperature sensor shall be a platinum 1000 Ω RTD with accuracy of ± 0.2 °C (0.36 °F) between 0 ... +40 °C (+32 ... +104 °F) with a measurement range of -40 ... +100 °C (-40 ... 212 °F). The probe shall be capable of withstanding a temperature of up to +180 °C (+356 °F) for a short period of time. Indicator shall additionally be able to calculate and display dew point, wet bulb temperature, absolute humidity, mixing ratio and enthalpy. The graphical LCD display shall feature multilingual menu-based user interface. Shall have the ability to be calibrated by the user in the field or shall offer an interchangeable, calibrated probe. Traceable calibration certificate included.