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Calibrating a Sensor for Temperature

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Equipment

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\* Qualified reference temperature system consisting of a sensor and a meter with a display

\* Circulating temperature controller with a range of 20degC to 60degC

\* 500-milliliter jacketed glass beaker connected to the temperature controller via flexible tubing

\* Magnetic stir bar and stir plate

\* Laboratory stand with support arm and clips

\* Reduced organic (RO) water

\* New sensor to calibrate and a compatible reference meter

\* Calibration tag