The economical, handheld Model IRM20 Noncontact Infrared Thermometer is compact, rugged and easy to use—just aim, push the button, and read current surface temperatures in less than a second. Hot, hazardous, or hard-to-reach objects are safely measured without contact. The unit has a wide temperature range from 0 to 500°F (-18 to 260°C) and a distance-to-spot ratio of 6:1. The LCD shows temperatures in switchable °F or °C, holds the reading for 7 seconds after the button is released and indicates when the battery is low. The IRM20 is ideal for industrial, electrical, heating and air conditioning, automotive and food safety.

**SPECIFICATIONS**

**Measurement Range:** 0 to 500°F (-18 to 260°C).

**Operating Range:** Ambient: 32 to 120°F (0 to 50°C).

**Accuracy:** ±2% of reading or ±3°F (±2°C) whichever is greater for targets at 30 to 500°F (-1 to 260°C); ±5°F (±3°C) for targets at 0 to 30°F (-18 to -1°C).

**Repeatability:** ±2% of reading or ±3°F (±2°C).

**Resolution:** 1°F/°C.

**Response Time:** 500 ms, 95% response.

**Distance-to-Target:** 6:1.

**Emissivity:** Fixed 0.95.

**Battery:** One 9V battery. 12 hours continuous use.

**Storage Temperature:** -4 to 150°F (-20 to 65°C) without battery.

**Relative Humidity:** 10-95% RH noncondensing up to 86°F (35°C).

**Spectral Response:** 7-18 µm.

**Weight:** 0.5 lb (227 g).

**Agency Approvals:** CE.

Series PHO-1 pH/ORP/Temperature Meter

The microprocessor based pH/ORP/Temperature Meter offers quick response and high accuracy. Simultaneously measure and display pH from 0 to 14 pH (0 to 600 mV) and temperatures up to 200°F (100°C). Model PHO-1 meter features manual or automatic temperature compensation, auto buffer recognition, and data logging capabilities, and the recording interval can be defined by the user. The Model PHO-1 accepts any pH electrode with a BNC connector.

For additional convenience, select model PHO-1K kit, which contains a meter, RS-232 cable, batteries, software, pH electrode, temperature probe, gender changer, carrying case and manual.

**SPECIFICATIONS**

**Input:** pH electrode with BNC connector, temperature probe.

**Range:** pH: 0.00 to 14.00 pH; mV: 0 to 1999 mV.

**Temperature:** 32 to 200°F (0 to 100°C).

**Operating Temperature:** 32 to 122°F (0 to 50°C).

**Compensated Temperature Limit:** Manual (MTC): 32 to 200°F (0 to 100°C); Automatic (ATC): 32 to 200°F (0 to 100°C).

**Operating Humidity:** Max. 80% RH.

**Sampling Rate:** About 1.5 time/sec.

**Battery Life:** Approximately 120 hours.

**Power Supply:** Six "AA" batteries.

**Power Current:** Approximately 20 mA DC.

**Data Output:** RS-232 PC serial interface.

**Dimension:** 7.4" x 2.9" x 2" (187 x 73 x 53 mm).

**Weight:** 1 lb (454 g) meter only.

**Agency Approvals:** CE.