



H-4967  
(includes pelican case)



H-4966



H-4965A

**Speedy® 2000 Moisture Tester (20g)— H-4967**

**Speedy® 2000 Moisture Tester (6g)— H-4968**

The Series 2000 Speedy moisture tester is a portable system for measuring the moisture content of a wide range of materials including soils, aggregates, dust and powders (and liquids). The system consists of a low pressure vessel fitted with a pressure gauge and an electronic scale and test accessories. Moisture measurements are made by mixing a weighed sample of the material with a calcium carbide reagent in the sealed pressure vessel. The reagent reacts chemically with water in the sample, producing acetylene gas that in turn increases the pressure within the vessel. The pressure increase in the vessel is proportional to the amount of water in the sample, the moisture content can be read directly from the calibrated pressure gauge. The tester is supplied complete with heavy-duty plastic carrying case, electronic balance, beaker, cleaning cloth, cap, washer, scoop, steel pulverizing balls and cleaning brushes. Meets ASTM D4944 and AASHTO T217. Shipping Wt. 13 lbs. (5.9kg)

**Accuracy:** Within 0.5% on most materials

**Test Speed:** 45 sec. to 3 min., depending on material

**Gauge:** Calibrated from 0-20% moisture based on wet weight

**Balance:** Electronic; 0-7 oz (0-200g) range; battery operated

**Calibration Kit— H-4965A**

Includes calibration unit, instructions, wooden carrying case.

**Moisture Tester Reagent— H-4966**

Calcium carbide reagent for Speedy® Moisture Testers. Carton of 24-1 lb. (0.5kg) containers. Shipped via motor freight only.

**See Warning Below.** Shipping wt. 26 lbs. (11.7kg)

**HAZARDOUS WARNING:**

Danger of explosion/fire may result if Moisture Testing Reagent is allowed to contact with moisture. Calcium carbide forms flammable acetylene gas when wet so must be kept sealed and dry. Provide adequate ventilation and use away from sparks and flame. U.S. shipping regulations require shipment by approved carriers. Contact Humboldt for international shipping regulations.

**Field Moisture Oven (FMO)— H-4954**

The FMO is a compact, portable (powered by 12-volt car battery) moisture testing oven, which provides gravimetric moisture readings to better than 0.5% in the field. The test uses a 200 gram soil sample, placed in the oven, while two heating elements, powered by a vehicle battery, quickly dry the soil. The built in micro processor controls the drying process and determines the percent of moisture based on the ASTM D4959 Direct Heat Standard Test Method. The oven is encased in a heavy-duty case and includes power supply cables, sample tray, pliers, straight edge, and user's manual.

**Sample Tray (10pk)— H-4954.1**

**1000 Watt AC/DC, 110V Power Converter— H-4954.2**

**Vehicle Adapter Set— H-4954.3**

includes: 8-foot Extension Cable and 20-Foot Adapter Cable with fuse.



H-4954