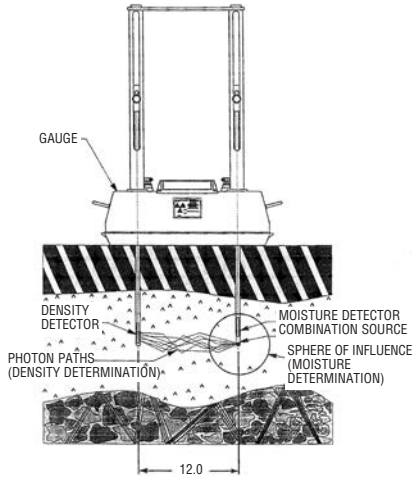


## STRATA DENSITY/MOISTURE PROFILE GAUGE

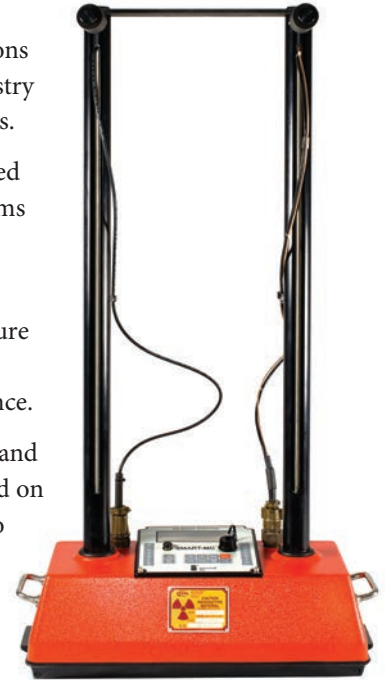
CPN MC-S-24 dual probe Strata gauge is designed for density and moisture profile determinations of construction materials. The only Dual probe moisture/density gauge of its kind in the industry for measurement of soils, soil/cement, roller compacted concrete and agricultural/forestry soils.



In Civil and Geotechnical fields, this device is routinely used for determination of soil and aggregate compaction for dams and embankments, as well as quality control of roller compacted concrete (RCC).

A key Forestry and Agricultural use of this device is moisture and density measurement of soil profiles to determine the effect of compaction on crop growth and seedling emergence.

Measurements are made by using the provided Guide Plate and forming two access holes in the material. The gauge is placed on the material and probes are inserted at a specific depth up to 24 inches (600mm), in increments of 2 inch (50mm). The moisture and density readings from each specific profile are taken and displayed on an easy to read LCD display.



### FEATURES:

- **DIRECT READOUT**  
Large screen displays test results in engineering units of wet density, total moisture, dry density, % moisture and relative density upon entering maximum values.
- **CALIBRATION**  
Factory calibration
- **DIRECT SELECTION**  
Keyboard selection of gauge functions for counting, self-test, units selection and USB upload.
- **NEW, BACKLIT LCD SCREEN READS EASILY IN DIRECT SUNLIGHT**
- **ILLUMINATED KEYPAD**
- **USB PORT FOR EASY DOWNLOAD OF STORED DATA**

## CPN MC-S-24 Strata Gauge

### SPECIFICATIONS

Function	Density and moisture measurement of subsurface strata of soils and other construction materials
Range	Density: 60 to 180 pcf (0.96 to 2.88 gcc) Moisture: 0 to 25 pcf (0.0 to 0.40 gcc)
Precision at 1 min	Density: 0.60 pcf at 125 pcf (0.011 at 2.00 gcc) Moisture: 0.5 pcf (.008 gcc) at 15 pcf (0.24 gcc)
Counting Time	15, 60 or 240
Temperature	32 to 158°F (0 to 70°C)
Power Source	6-Cell AA NiMH battery pack with a single 9V alkaline for backup
Battery Life	500 to 1000 recharge/discharge cycles
Display	Large 4 line X 20 character LCD display with 9mm tall characters
Memory Storage	10 Projects with 40 readings each
Data Output	USB Drive
Units	PCF, KG/m3, GCC
<b>RADIOLOGICAL</b>	
Gamma Source	Max 10 mCi (370 MBq) Cesium-137
Neutron Source	Max 50 mCi (1.85 GBq) Americium-241/Be
<b>MECHANICAL</b>	
Construction	Aluminum with epoxy paint or hard-anodized finish Water and shock resistant
Gauge	47 lbs. (21.2 kg), 21 in W x 9.25 in D x 40 in H (533 x 235 x 1016 mm)
Carrying & Shipping	180 lb (81 kg), 21 in W x 9.25 in D x 27.75 in H (1270 x 419 x 705 mm)



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