

RUGGED AND SIMPLE-TO-USE NUCLEAR GAUGE, WITH FOUR BUTTON FUNCTIONALITY

MC-1 DRP Nuclear Moisture/Density Gauge provides all the data and ruggedness you need in the field, with superior accuracy and ease of use. The results are displayed on an easy to read, sun light visible large character LCD screen. Determine accurate moisture, density, % Proctor, % Marshall and % Air voids in minutes.

MC-1 DRP is built for the rugged construction industry with its all aluminum casing. The base electronics on this gauge are upgraded with surface mount components for increased reliability and improved resistance to ambient moisture/humidity exposure.

Accuracy, reliability and simplicity are a few of the reasons why MC-1 DRP is one of the most popular gauges in the industry and a favorite to many technicians in the field.



IMPROVED FEATURES:

- ▶ Alkaline batteries - requires no charging
- ▶ Automatic battery backup
- ▶ Surface mount electronics for improved reliability
- ▶ Improved resistance to ambient moisture and humidity effects
- ▶ Automatic Non-contact Depth Sensing
- ▶ User friendly software with four button operations
- ▶ Dual Depth BS Position
- ▶ Direct readout of moisture,
- ▶ Density, % Proctor, % Marshall, % Air Voids, and Moisture Offset
- ▶ Multi-lingual software operations, English and Spanish
- ▶ Backlight feature
- ▶ 24 month warranty

CPN[®] MC-1 DRP Portaprobe

SPECIFICATIONS

Standards	ASTM D6938, D2950 and AASHTO T310
Density Measurement Range	70 to 170 pcf (1.120 to 2.73 gcc)
Moisture Measurement Range	0 to 40 pcf (0 to 0.64 gcc)
Density Source	Cesium 137
Moisture Source	Americium 241: Beryllium
Density Source Activity	(10 mCi) 370 Mbq
Moisture Source Activity	(50 mCi) 1.85 GBq
PRECISION	
BS one-minute test	±1.00 pcf (0.016 gcc)(at 125 pcf)
Transmission one-minute test	±0.25 pcf (0.004 gcc)(at 125 pcf)
Moisture one-minute test	±0.25 pcf (0.004 gcc)(at 10 pcf)
CHEMICAL ERROR	
Backscatter	±1.00 pcf (0.016 gcc)
Transmission	±0.75 pcf (0.012 gcc)
ROUGHNESS ERROR (0.05 in. 100% void)	
Backscatter	- 4.00 pcf (0.064 gcc)
Transmission	- 0.50 pcf (0.008 gcc)
Operating Temperature	32° to 167° F (0° to 75° C)
Power Source	Battery pack of 6 D alkaline cells
Battery Life	Over 2 years of operation More than 50,000 1 minute tests
Display	32 character 2 x 16 dot LCD
Gauge Size	22.8" X W 14.1" X D 9.4"
Weight	32.75 lbs (14.85 kg)
Shipping Weight	80.65 lbs (36.58 kg)