

XPLORER 2™ Rugged. Dependable. Advanced

3500 XPLORER 2 - SIMPLY ROCK SOLID

The 3500 Xplorer 2, is a nuclear moisture/density gauge for field measurements of soils, concrete and asphalt pavements. The Xplorer 2 is built with rugged and durable components. New highly advanced features save time and reduce maintenance issues in the field thereby lowering operating costs.

InstroTek stands behind each Xplorer 2 with the first 3-year warranty in the industry. InstroTek nuclear gauges have the lowest ownership costs of any nuclear gauge in the market, saving you thousands of dollars over the life of your gauge.

Designed to ensure superior field performance, the Xplorer's machined aluminum base is made to precisely fit its durable polycarbonate shell and electrical components. The new large backlit LCD and keypad makes reading test results easy at night or in direct sunlight. The Xplorer 2 is Bluetooth® enabled for easy data transfer to any Android® smartphone or tablet. Reporting software built into the new X2 Mobile Application can send all test results via email with just a few clicks. It is also the first nuclear gauge with an integrated battery port for gauge tracking devices. Superior electronics, advanced features, precise engineering and now the longest warranty in the market make the Xplorer 2 Simply The Rock Solid Choice.



XPLORER 2™
Model 3500

FEATURES

- ▶ Meets ASTM 6938, D2950, D7013, D7759, C1040 and AASHTO T310
- ▶ GPS
- ▶ Bluetooth
- ▶ USB Storage
- ▶ Project Storage
- ▶ Memory/Storage of Results
- ▶ Software Updates via USB Drive
- ▶ Alphanumeric Keypad
- ▶ Integrated Battery Port for Supported Gauge Location Tracking Devices
- ▶ Large 4 line X 20 character LCD Display with 3/8" (9mm) Tall Characters
- ▶ Backlit LCD and Keypad
- ▶ 9V Alkaline Battery Backup
- ▶ Gauge Case with Wheels
- ▶ Android Reporting App for any Smartphone or Tablet

SPECIFICATIONS

Density Measurement Range	1120 to 2720 Kg/m3 (70 to 170 lb/ft3)
Moisture Measurement Range	0 to 640 Kg/m3 (0 to 40 lb/ft3)
Density Source	Cesium 137
Moisture Source	Americium 241: Beryllium
Density Source Activity	Maximum 370 Mbq, (10 mCi)
Moisture Source Activity	1.48 Gbq, (40 mCi)
BS Precision at 2000 Kg/m3, (125 lb/ft3)	7.8 Kg/m3 (0.49 lb/ft3)
Direct Transmission Precision at 2000 Kg/m3 (125 lb/ft3)	3.4 Kg/m3 (0.21 lb/ft3)
Moisture Precision at 240 Kg/m3 (15 lb/ft3)	4.9 Kg/m3 (0.31 lb/ft3)
Composition Error BS	35.2 Kg/m3 (2.2 lb/ft3)
Composition Error Direct Transmission	22.4 Kg/m3 (1.4 lb/ft3)
Surface Error BS	-56 Kg/m3 (-3.5 lb/ft3)
Surface Error 150 mm (6") depth	-16 kg/m3 (-1 lb/ft3)
Main Power Source	6-Cell D NiCd battery pack
Main Power Source Battery Life	500-1000 recharge/discharge cycles
Backup Power Source	9V Alkaline
Shielding Materials	Tungsten and Lead
Top Shell	UV Stabilized Polycarbonate
Base and Tower	Aluminum
Source Rod and Handle	Hardened Stainless Steel
Index Rod	Hardened Stainless Steel
Operating Temperature (ambient)	-10 to 70 C (14 to 158 F)
Surface Temperature	170 C (338 F)
Gauge Size	H 58.4 cm X L 30.8cm X W 22.2 cm (23"X 14.5"X 8.75")
Weight	14Kg (31 lb)
Shipping Weight	42Kg (94 lb)