

# XPLORER 2™

## Model 3500

The 3500 Xplorer 2 is built with rugged and durable components. Its new, highly advanced features save time and reduce maintenance issues in the field thereby lowering operating costs.

The nuclear gauge is designed to insure superior field performance. Its machined aluminum base precisely fits 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 features **integrated GPS** that reports the locations of each test, while Bluetooth® allows easy data transfer to any Android® smartphone or tablet. The reporting software built into the new X2 Mobile App can send all test results via email with just a few clicks.

The Xplorer 2 also comes with an industry first **3-Year Warranty, free first calibration** and low cost replacement parts to keep ownership costs down saving you thousands over the life of the gauge.



### 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)