XPLORER 3500 - ROCK SOLID

InstroTek Model 3500 Xplorer is a nuclear moisture density gauge designed to provide superior performance, expertise that is unmatched in the industry and service that you have come to trust for over 20 years. The Xplorer is built to withstand the rugged construction environment, be very affordable and be easy to operate.

The Xplorer 3500 has been in service since 2006 and its popularity continues to grow because of its durability and ease of use. The Xplorer 3500 features are designed to help the operators perform moisture/density tests quickly and effectively. Useless "bells and whistles" are not included, making the gauge very simple to operate. Our goal was to develop a gauge that provides all the necessary information but one that is better in performance than any other gauge in the market with the lowest maintenance and operating cost. Xplorer 3500 is now available with the optional **NukeTrack**™ *Nuclear Gauge Tracker. Locating your gauge has never been easier!*



XPLORER™
model 3500

FEATURES

- **Meets ASTM 6938, D2950, D7013, D7759, C1040 and AASHTO T310**
- **NukeTrack**™ Nuclear Gauge Tracker *(optional)*
- Non-contact auto-depth indicator reduces mistakes during testing
- Superior Backscatter Composition and Surface Error for better results on asphalt pavements
- Back light display for night use
- Intelligent battery life operation and monitoring for extended operations
- Reliable surface mount components that will reduce your repair cost and reduce gauge down time
- Integrated temperature monitor to ensure operators are obtaining the most accurate results
- All critical mechanical parts are made from stainless steel
- Software features such as Self Test, Special calibration, Asphalt Thinlayer mode and Diagnostics Tests
- Superior plastic top shell design to ensure durability in field environment

SPECIFICATIONS

Standards	ASTM 6938, D2950, D7013, D7759, C1040 and AASHTO T310
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	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)	3.5 Kg/m3 (0.22 lb/ft3)
Moisture Precision at 240 Kg/m3 (15 lb/ft3)	4.42 Kg/m3 (0.28 lb/ft3)
Composition Error BS	37 Kg/m3 (2.3 lb/ft3)
Composition Error Direct Transmission	22.4 Kg/m3 (1.4 lb/ft3)
Surface Error BS	48 Kg/m3 (3 lb/ft3)
Surface Error 150 mm (6") depth	16 kg/m3 (1 lb/ft3)
Backlight Display	Yes
Internal Temp Monitoring	Yes
Auto-Depth Indicator	Yes
Shielding Materials	Lead, Tungsten and Cadmium
Top Shell	UV Stabilized Plastic
Base and Tower	Aluminum
Source Rod and Handle	Stainless Steel
Index Rod	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	42 Kg (94 lb)

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