AS ALWAYS... WE KEEP IT SIMPLE

InstroTek Model 3500 Xplorer nuclear moisture density gauge is designed to provide superior performance, with design experience and expertise that is unmatched in our industry. We asked our customers what is important to them in their gauges, and we have integrated their feedback, such as ease of operation and affordability, into the Xplorer. As with all InstroTek products, our gauges are backed by the most reliable and trustworthy customer service in the industry.

Xplorer has a proven record of dependability since 2006 and our gauges continue to be an asset for leading geotechnical, engineering and construction companies worldwide. We've eliminated many useless "bells and whistles," and Xplorer's design allows field technicians to perform their job quickly and efficiently, with minimal down time. Our goal with Xplorer was to develop a user-friendly gauge with more consistent performance than any other gauge on the market today, coupled with the lowest maintenance and operating costs.

Here are some of the features of this gauge:

- 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 environments.

XPLORER™
model 3500

Standards	ASTM 6938, D7759, D7013 D2950 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	22.4 Kg/m3 (1.4 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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