Grace INSTRUMENT
Scientific Innovations. Industrial Solutions.

M1510 CEMENT SETTLING/STABILITY TESTING TUBE KIT

- Easy-to-use, compact, lightweight, and portable.
- Solid-brass tube features easy twist on/off top and bottom cap.
- Comprehensive, advanced testing tool accurately simulates and measures settling.
- Results determine slurry stability in real-world cementing applications.
- Results allow users to engineer cementing solutions that optimize well integrity.
- Withstands high-temperature testing.
- Compatible with most standard high-temperature water baths, curing chambers, and consistometers.
- Also conveniently compatible with high-temperature *Grace Instrument M7540 Curing Chamber (sold separately)* and other *Grace Instrument* high-temperature curing chambers, consistometers, and water baths *(sold separately)*. *(Contact Grace Instrument for exact model numbers of compatible units.)*
- Compliant with **API Recommended Practice 10B-2** (**RP 10B-2**).

M1510 Twist On or Off Cap

PRODUCT DESCRIPTION

The *Grace Instrument M1510 Cement Settling/Stability Testing Tube Kit* is a comprehensive kit that tests oil and gas well cement stability. The *M1510* is easy-to-use, compact, lightweight, and portable. It includes a solid-brass tube and an easy twist on/off top and bottom cap.

During well operation, the cement settling process often causes free water or fluid to develop, which can compromise well integrity and zonal isolation. The *M1510* simulates well cement settling under elevated temperature and pressure, determining critical settling characteristics of cement samples to allow the user to evaluate cement stability.

Cement slurry is first poured into the tube. Next, the tube is placed inside a high-temperature bath, curing chamber, or consistometer. Once cured, the hardened inner cylindrical column of the cement sample can be sliced into cross-sections. Each cross-section's density is measured to determine how much the cement sample settled, representing the sample's stability in an actual oil and gas well. Using these results, ideal cement compositions can be engineered to minimize settling and optimize the integrity of the well.

The *M1510* is a powerful testing tool, accurately measuring stability that can be applied to real-life cementing applications. This product is compatible with most standard high-temperature water baths, curing chambers, and consistometers. It is also conveniently compatible with the high-temperature *Grace Instrument M7450 Curing Chamber (sold separately)* and several other *Grace Instrument* high-temperature curing chambers, consistometers, and water baths *(sold separately). (Contact Grace Instrument for exact model numbers of other compatible units.)*

The *M1510* is compliant with **API Recommended Practice 10B-2** (**RP 10B-2**).

ADDITIONAL INFORMATION

Included Kit Items	Cement Settling/Stability Testing Tube Easy Twist On/Off Top and Bottom Cap
Tube (with Caps) Material	Solid Brass
Maximum Curing Temperature	400°F (204°C)
Tube (with Caps) Dimensions	2" Dia. x 8⅜" H
Tube (with Caps) Weight	2 lb
Compatible Grace Instrument Units (Sold Separately)	High-Temperature Grace Instrument M7450 Curing Chamber Other Grace Instrument High-Temperature Curing Chambers, Consistometers, and Water Baths (Contact Grace Instrument for exact model numbers of other compatible units.)
Compliances	API Recommended Practice 10B-2 (RP 10B-2)