



For sample prep and other permeability testing accessories see page 69-71.

Expansion Index Consolidometer— HM-2405

Self-contained unit for conducting expansion tests on cured soil specimens. After compaction in stainless steel ring, specimen is placed in the consolidometer with air-dried porous stones, and loaded with a stainless steel weight. Specimen is allowed to consolidate for 10 minutes, after which it is immersed in distilled water for up to 24 hrs. During this time, height of specimen is recorded to determine maximum swell. Corrosion resistant, durable anodized aluminum and stainless steel construction. Includes anodized aluminum base & collar, stainless steel specimen ring and weight, 12.6 lb. (5.7kg) loading weight, and 3.99" dia. x 1/2" (101.4 x 12.5mm) porous stones. **Order dial indicator below.** 6" dia x 11" H (152 x 279 mm). Meets ASTM D4829, California Test Method UBC 29-2. Shipping wt. 20 lbs. (9 kg)

Dial Indicator, for HM-2405 Consolidometer— H-4471

0.5 x 0.0001" dial indicator.

Replacement Porous Stones— HM-4184.399T

Porous stones for use with HM-2405 consolidometer, 3.99" x 0.5".

Basic Swell/Expansion Consolidometer, 2.440"— HM-1972-1D

Basic Swell/Expansion Consolidometer, 2.500"— HM-1972-1E

A self-contained consolidometer used to conduct swell expansion tests on soil specimens. Set includes: stainless steel base/acrylic ring device with adjustable, dial indicator standard and bracket, a compaction specimen ring, top and bottom porous stones and a 60 psf stainless steel loading weight. Consolidometer can also be used with cutting ring, listed below, instead of supplied compaction ring for use in acquiring samples from undisturbed Shelby tube samples. Dial indicator necessary for test, choose from those listed below. Alternative loading weights are available, please enquire.

Compaction Base and Collar, 2.440"— HM-1975-D

Compaction Base and Collar, 2.500"— HM-1975-E

The compaction base and collar is used to produce a soil sample for use with the basic swell/expansion consolidometer above. Use HM-3701 compaction hammer listed below.



Components	HM-1972-1D	HM-1972-1E
Stainless steel Cutting Ring	HM-1220.24.8	HM-1220.25.8
Stainless steel Compaction Ring	HM-1972-3D	HM-1972-3E
60 PSF Stainless steel Loading Weight	HM-1972-6D	HM-1972-6E
Stainless steel Compaction Ring	HM-1972-3D	HM-1972-3E
Stainless steel Cutting Ring	HM-1220.24.8	HM-1220.25.8
Top Porous Stone	HM-1220.24.11	HM-1220.25.11

Accessories	Model
Dial Indicator, 0.2" range x 0.0001"	H-4460
Dial Indicator, 0.5" range x 0.0001"	H-4471
Dial Indicator, 1.0" range x 0.001"	H-4458.1
Base Porous Stone, 3.31" dia. x 1/4" thick	HM-1220.25.2
Compaction Hammer	HM-3701