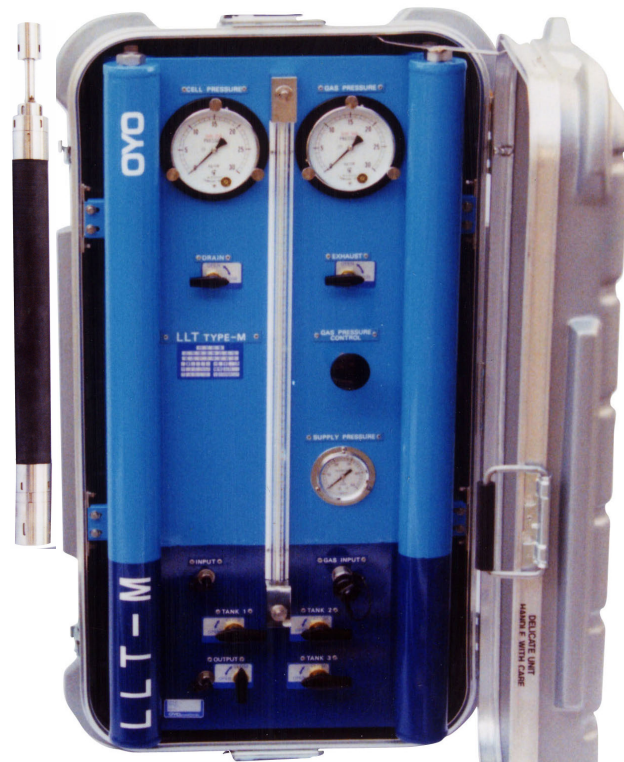


LATERAL LOAD TESTER

LLT TYPE- M



GENERAL

The LLT Type “M” is an in-situ tester to evaluate the mechanical characteristics of soft ground. The LLT operates using inflatable rubber packers and mechanical properties are deduced from the relationship between applied stress and deformation. Three different diameter sondes (60,70,80 mm) are available to cover a wide range of borehole diameters. The water tank consists of four equi-dimensional cylinders enabling the user to select four different water volumes dependent on the sonde diameter. The whole system is packed in two carrying containers.

The LLT is able to evaluate the following foundation engineering static characteristics of the ground:

Modulus of subgrade reaction K value

Deformation modulus E value

Yield strength Py

■ GENERAL

Maximum loading
 Pressure 25kg/cm²
 (Maximum pressure to the probe is subject to the diameter of the test hole.)
 Measuring range(diameter) of borehole
 60mm Φ sonde 65mm to 120mm
 70mm Φ sonde 75mm to 130mm
 80mm Φ sonde 85mm to 140mm

■ SONDE

Rubber membrane
 Outer rubber NBR Rubber
 Inner rubber Natural rubber(NR)
 Dimensions
 60mm Φ sonde 1010mm 7.8kg
 70mm Φ sonde 1030mm 11.5kg
 80mm Φ sonde 900mm 12.0kg

■ MEASURING UNIT

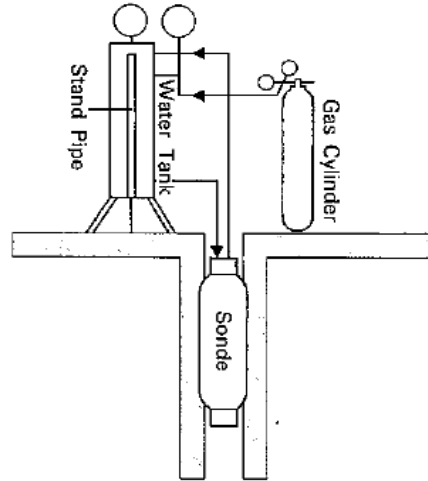
Water tank 60mm(I.D.)65mm(O.D.)880mm(L)
 4pcs
 Capacity (Effective) 1.7 litre/piece
 Standpipe 12mm(O.D.) 6mm(I.D.) 600mm(L)
 Reinforced glass with protective acrylic resin pipe.
 Carrying container
 995mm(L) 530mm(W) 200mm(H)
 Approx. 40kg(packed condition)

■ ACCESSORIES

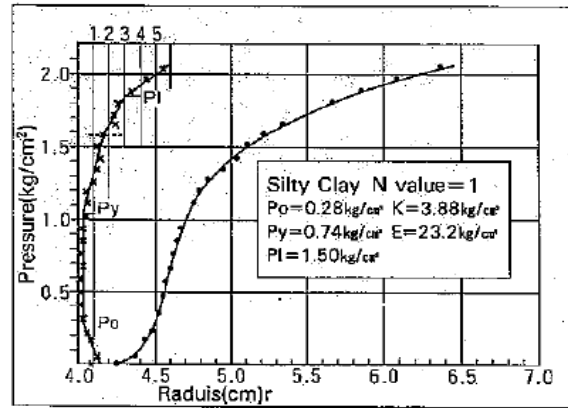
Regulator valve
 Input 150kg/cm²(max.)
 Output 50kg/cm²(max.)
 High pressure air hose 6mm(I. D.) 15mm(O.D.) 5mm(L)
 Nylon tubing 6mm(O.D.) 4mm(I.D.) 100mm x 2
 Length is optional according to survey condition (max.30m)
 Carrying container The same size with that of measuring unit. approx. 40kg (packed condition)

■ OPTION

Gas cylinder for nitrogen gas
 Inner pressure 150kg/cm²
 Dimensions 140mm Φ 1050mm(H)
 Weight 16kg
 Nitrogen gas should be filled locally.



EXAMPLE



JQA-2772

Please note specifications are subject to change without notice for the improvement.

● Instruments & Solutions Division
 43 Miyukigaoka, Tsukuba, Ibaraki, 305-0841 Japan
 Phone: +81-(0)298-51-5078, Fax: +81-(0)298-51-7290
 e-mail: seihin@oyo.jp

● Sigmetric, S.A. de C.V.
 Erasmo Castellanos Quinto 444,
 Colonia Educación, Ciudad de México, C.P. 04400
 Teléfono: 55.5658.2997 & 55.5554.9657

■ Your representative

