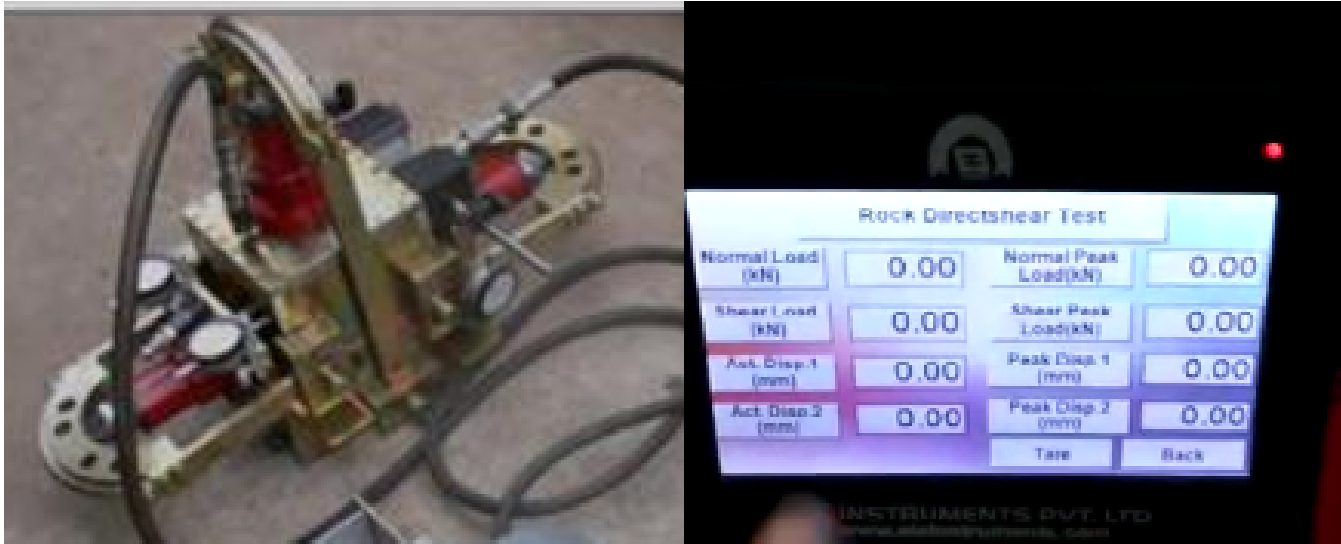




EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

ROCK SHEAR APPARATUS-DIGITAL



- The machine is ideal for the testing onsite and in laboratory.
- The machine supplied with 4" touch screen
- Load and displacement will be displayed on the single screen
- The touch screen comes with 48 hours of battery back up to test the samples on site
- Simple plug and play instruments

The apparatus consists of a shear box designed to accept samples not larger than 115×125 mm, or alternatively cores up to 102 mm dia. The shear box consists of two halves, the upper being connected to two rams for reversible shearing action and the lower connected to a ram for normal load application. The loads are recorded by pressure transducers. The normal loading system is complete with an adjustable low friction pressure maintainer to absorb volume changes of the specimen during the shearing action and to ensure a constant vertical stress. Supplied complete with 2 Nos. Mould former, a 6 channel data logger (2 for load and 3 for displacement measurement) Battery operated (48 hours continuous running) suitable to use on the field

Technical Specification

- Shear box size : 160X150X200(LXWXH)mm
- Load Application : Hydraulic via two single speed hand pump
- Read out : Digital for load and displacement
- Least count for load : 0.01 kN
- Displacement transducer design : 2 numbers of LVDT with spring return mechanism

- Displacement range : 0-25 mm
- Displacement resolution : 0.01 mm
- Horizontal Displacement : 2 numbers of LVDT with spring return mechanism
- Dimensions (LxWxH) : 480x730x250(Package)
- Total weight : 120 kgs
- Read out : Digital
- Pumping : Manual

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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F

