ROCK MECHANICS > PHYSICAL PROPERTIES

DIGITAL POINT LOAD APPARATUS

Code : K120



- The Digital Point Load Apparatus is used to determine the strength index of rock specimens, facilitating both field and laboratory testing.
- Its robust two-column crosshead frame, combined with a manually operated hydraulic jack, ensures consistent and precise application of load.
- Equipped with a high-precision load cell and digital indicator, the apparatus provides accurate force measurements, enhancing test reliability.
- Designed for versatility, it accommodates irregularly shaped rock samples, eliminating the need for extensive specimen preparation.
- The apparatus's portability and lightweight construction make it ideal for on-site testing scenarios, offering convenience without compromising accuracy.

STANDARDS

ASTM D5731

TECHNICAL SPECIFICATIONS

- Capacity: 50 kN
- Maximum specimen diameter: 102 mm
- Load measurement: Load cell with digital indicator
- Loading mechanism: Manual hydraulic jack
- Frame: Two-column crosshead design
- Portability: Lightweight and compact for field use

EQUIPPED WITH

- Digital Touch Screen indicator for real-time load display
- High-precision load cell
- Ruler that assists in measuring the initial height of the rock, and the deformation under load
- Manual hydraulic jack

SUPPLIED WITH

- Set of conical platens
- Carrying case for easy transportation

ORDERING INFORMATION

Item Name	Item Code
DIGITAL POINT LOAD APPARATUS - 100 kN	K120H01AD
DIGITAL POINT LOAD APPARATUS - 50 kN	K120H50AD
SPARE CONE SET for K120	K120P001H

JACK (50 kN) for K120	K120P002H