



# ROCK

## Digital Point Load Test Apparatus

### PRODUCT CODE

**NT-R0150** Digital Point Load Test Apparatus

**NT-R0151** Lower and Upper (Ball Seated) Loading Platens, Ø52 mm

**NT-R0152** Set of Cones for Digital Point Load Tester

### STANDARDS

**ASTM D5731**

### SPECIFICATIONS



**Digital Point Load Tester** is a high-precision, portable testing device used to determine the **point load resistance index** of rock samples in both field and laboratory settings. Originally developed by **Imperial College London**, this system offers reliable and repeatable test results thanks to its robust construction and digital measurement technology.

The device is equipped with **a load frame with two columns of fixed lower and upper beams and a manual hydraulic jack**. The pressure applied by the hydraulic jack causes the piston carrying the lower conical end to move. The upper conical end is fixed to the upper beam.

**Area of Use;** Rock mechanics tests in geotechnical and geological laboratories, mining and quarrying, field tests, universities and research institutions.

**Digital load measurement:** The load is measured with a high-precision pressure transducer and a shock-resistant digital display unit.

**High capacity:** Ability to apply loads up to 50–60 kN

**Sample compatibility:** Core samples up to 4" (101.6 – 102 mm) in diameter

**Precise measurement:** Integrated ruler that measures the distance between conical plates

**Portable design:** Easy transport with wooden carrying case

**Safe handling:** Heavy-duty protective face mask