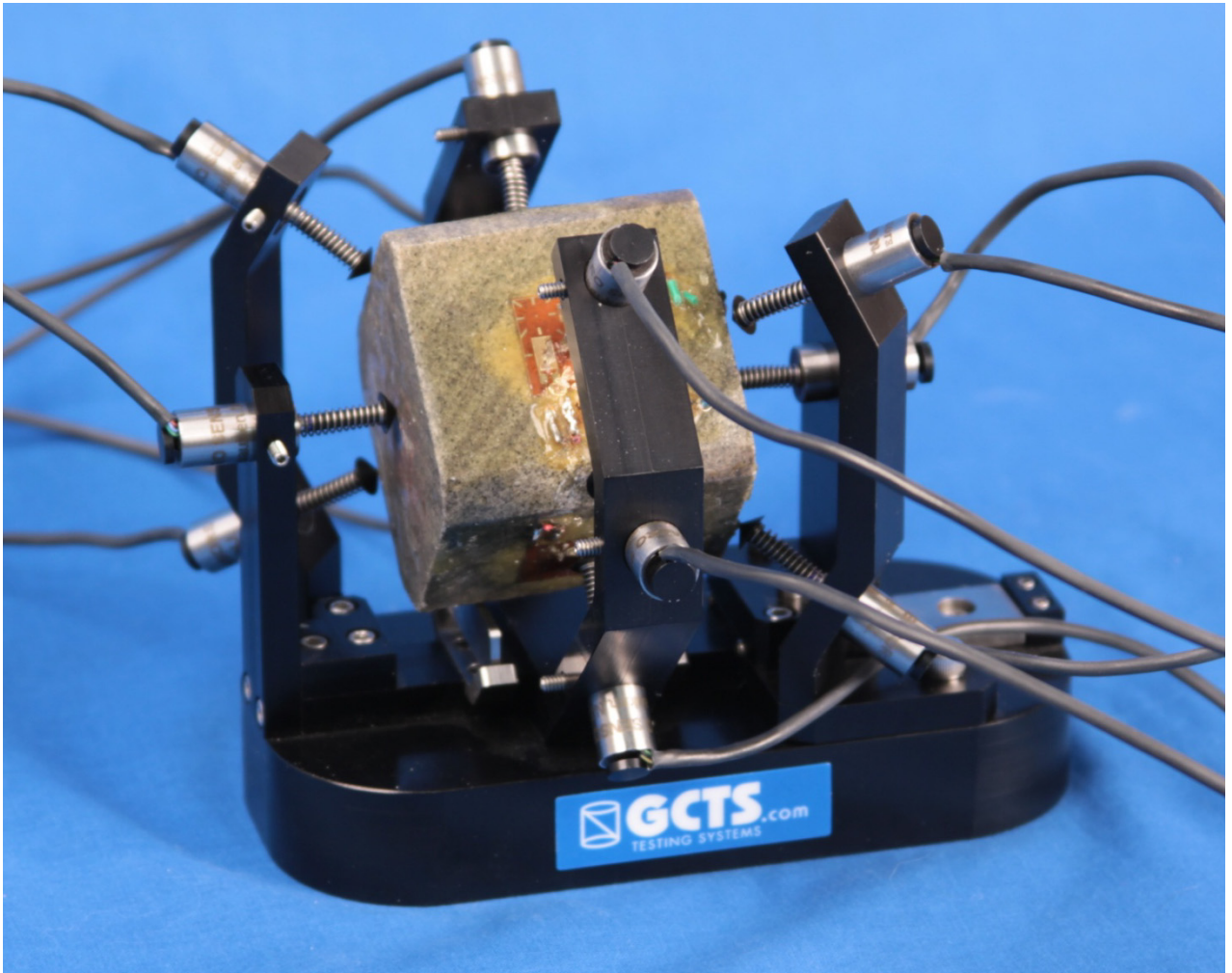


Differential Strain Curve Analysis Measurement Device (DSA-12)



- Measurement device for Differential Strain Curve Analysis (DSCA)
- Includes twelve (12) high pressure LVDT sensors for strain measurement
- Support base and LVDT holders with anodized high-quality aluminum construction
- Stainless steel sliding rail for fast and precise positioning of sensors onto the samples with different dimensions
- Interchangeable flat or pointed LVDT ends for suitable contact with the specimen
- Accommodates cubical rock samples with maximum dimensions of 50 mm x 50 mm x 50 mm
- Optional hydrostatic high pressure triaxial cell with pressure capacity of 140 MPa (20,000 psi)
- Requires signal conditioning and data acquisition unit for the sensors

DESCRIPTION

The GCTS Differential Strain Curve Analysis Measurement Device (DSA-12) is designed for testing cubical rock specimens under hydrostatic conditions in order to determine the in-situ stress state. The results obtained using the DSA-12 allow for characterization of the distribution of crack porosity with crack closure pressure as well as the crack orientation as a function of crack closure pressure amongst other parameters.

The DSA-12 comes with twelve high precision LVDT's vented for pressures up to 140 MPa with cables to connect to electrical feed-throughs inside the triaxial cell.

GCTS offers the hydrostatic triaxial cell (HTRX-DSA) with 140 MPa pressure capacity. HTRX-DSA features stainless steel construction with 16 feed-through lines, 4 clusters of 4 lines, for in-vessel instrumentation, 3 fluid pressure connectors (cell, drain and bleed ports), 100 mm (4 inch) inside diameter. HTRX-DSA accommodates DSA-12 device with the 12 LVDT's and 50 mm x 50 mm x 50 mm cubical rock samples.

For pricing information please contact us at sales@gcts.com.