TLF-112 Triaxial Mechanical Properties Testing System



Brand: OFI Testing Equipment, Inc.
Product Code: 120-286
Availability: Call for availability
Call for Price: 832-320-7300

Description
The TLF-112 Triaxial Mechanical Properties Testing System is the first unit on the market specially designed to measure the mechanical properties of oilwell cement. It has the ability to measure compressive strength, Young’s modulus, Poisson’s ratio, and tensile strength of cement samples under in-situ conditions.

Features

- Physically measures the mechanical properties of set cement:
    - Compressive Strength (API Spec 10A and RP 10B2)
    - Young's modulus
    - Poisson's ratio
    - Brazilian Splitting Tensile Strength (ASTM C496/C496M -04)
- Temperature control up to 400°F (204.4°C) and confining pressure control up to 10,000 PSI (68.95 MPa) are available to simulate down-hole conditions with either oil or water as a pressure medium
- Accommodates cube samples up to 2.0" × 2.0" and cylindrical samples up to 2.0" in diameter and 5.0" in length
- Utilizes digital servo-controlled pressure and load for improved accuracy and stability
- Single, self-contained unit with a small footprint to save valuable floor space
- Windows®-based system control and data acquisition

Specifications

- Load Frame Capacity: 112,400 lb (500 kN)
- Stroke: 4" (100 mm)
- Maximum Temperature: 400°F (204.4°C)
- Maximum Pressure: 10,000 PSI (69.0 MPa)
- Size: 52.5" × 35.5" × 84.5" (133 × 90 × 215 cm)
- Weight: 3,485 lb (1,580 kg)
- Crated Size: 82" × 48" × 94" (208 × 122 × 239 cm)
- Crated Weight: 4,050 lb (1,837 kg)

Requirements

- Air Supply: 100 PSI (690 kPa) Recommended, 150 PSI (1,035 kPa) Maximum, ¼" NPT Connector
- Power Supply: 230 - 240 Volt, 50/60 Hz, 10 Amps

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