



Taha Kimia Tajhiz Co.



HTHP Corrosion Tester Datasheet

**Drilling Fluids Testing/ Corrosion
Monitoring Equipment**



DRILLING FLUIDS EQUIPMENT

For over 30 years OFI Testing Equipment (OFITE) has provided instruments and reagents for testing drilling fluids, well cements, completion fluids, and wastewater. In addition to these product lines we also offer a range of instruments for core analysis. From our manufacturing facility in Houston, TX we provide customers all over the world with quality products and exceptional service.

Our drilling fluids product line includes innovative designs such as the Model 900 Viscometer, which showcases our ability to develop new technology to meet customer and industry demands. We also offer Retorts, Aging Cells, Roller Ovens, Mud Balances, Filter Presses, and all other instruments required to evaluate drilling fluid properties according to API Recommended Practice 13B-1 and 13B-2.

As an independent manufacturer and supplier, OFITE has one priority, our customers.

HTHP Corrosion Tester

The HTHP Corrosion Tester is designed to perform corrosion tests under elevated temperature and pressure. The device is capable of heating the sample up to 400°F (204.4°C) and applying up to 5,000 PSI (34.5 MPa). Four samples can be tested simultaneously. All wetted components are made of corrosion-resistant Stainless Steel.

Four corrosion coupons are thoroughly cleaned and weighed before the test begins. The acid solution and corrosion inhibitor are mixed and poured into each of the four sample bottles. A corrosion coupon is added to each sample and all four bottles are placed into the test cell. Pressure and temperature are applied, and the motor agitates the samples throughout the test. After the test, the coupons are cleaned and weighed again. The mass loss during testing is used to calculate the corrosive properties of the acid.



Feature

- Microprocessor-based temperature controller with digital indicator display
- Water circulation system rapidly cools the test cell
- High-pressure relief valve protects people and equipment





Technical Specifications and Requirements

- #120-700 HTHP Corrosion Tester

Specifications

- Maximum Pressure: 5,000 PSI (34.5 MPa)
- Maximum Temperature: 400°F (200°C)
- Temperature Accuracy: $\pm 0.5^{\circ}\text{C}$
- Capacity: 4 sample bottles of 150 mL each
- Agitator Speed Range: 0 - 100 RPM
- Size: 25" \times 16" \times 26" (64 \times 41 \times 66 cm)
- Weight: 215 lb (97.6 kg)
- Crated Size: 30" \times 20" \times 30" (76 \times 51 \times 76 cm)
- Crated Weight: 255 lb (115.8 kg)

Requirements

- Air / Nitrogen supply (100 - 120 PSI)
- Water supply for cooling (40 PSI)
- Water Drain
- 230-Volt, 50 / 60 Hz, 25-Amp electrical power supply