NOVAE UHT

The Ultra High Temperature Rheological Characterization System designed, built, supplied and supported by Rheologists

- Torque range **30uNmto 200 mNm**
- Torque resolution **0.1 micro-Nm**
- Rotational speed **10^{-9} to 40 rad/s**
- Frequency range **0.0001 to 100Hz**
- Viscosity Range **10 mPas to 10^{8} Pas**
- Temperature range **+600 to +1700 ° C**
- Temperature Accuracy & Stability > **+/- 4° C**

NOVAE UHT is design for testing any rheological significant material:
- Metal alloys
- Molten/Softened Glass
- Semi-solids
- And/or fluid systems

NOVAE performs steady, transient and dynamic shear measurement using:
- Couette
- Concentric cylinder
- And other fixtures

NOVAE UHT is a research level Viscometer/Rheometer system designed specifically to address the challenging and diverse testing needs for measuring Rheology of Molten Metals & their Alloys and Molten Glass. The instrument's unprecedented capability and performance is the direct result of a design and development effort focused exclusively on input and recommendations from specific industry experts. All the wetted and non-vetted parts are corrosion resistant.

The instrument combines uncompromised versatility and accuracy with outstanding value, and continues to position Accurate Industrial Controls as the world leader of Rheometers for the serious Rheologist. The Rheometer performs steady, transient, and dynamic shear measurements using Couette / concentric cylinder systems and other fixtures. The operation and evaluation software is based on the Windows operating system, providing a convenient platform for system networking and instrument operation and for precise control of sample temperature.

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