Grace INSTRUMENT
SCIENTIFIC INNOVATIONS • INDUSTRIAL SOLUTIONS

M7530
Corrosion Tester

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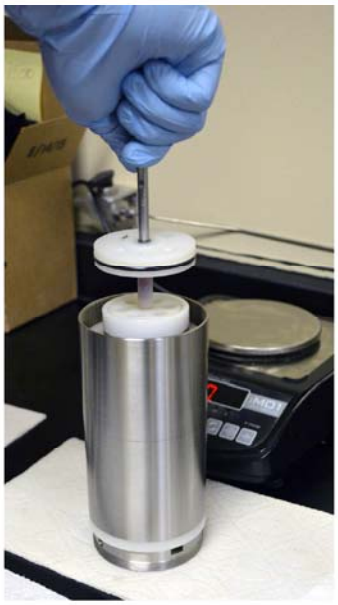
Designed to accurately determine corrosion rate under constant shear rate conditions

The patent-pending Grace Instrument Corrosion Tester Module can help to determine the corrosion rate, or the loss of metal due to chemical reactions under desired shear rates. The module features a rotating cup that contains up to 2 cylindrical coupons that turns in various speeds up to 250 rpm through a mag-drive mechanism. A Telfon floating piston inside the test cell ensures that acid does not escape into any other part of the instrument.

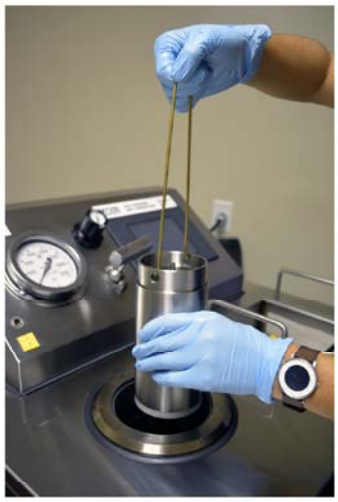
The sample cup is then placed into the test chamber of a Grace Consistometer. The consistometer features an accurately controlled shear rate between the testing coupons and testing fluid. Thus, it can accurately predict the corrosion rate of tested coupons under variations of testing fluid shearing conditions. Users could also purchase this sample cup and use it with their existing consistometers from other major consistometer manufacturers as well.



Place assembed bob into cup

Innovative hardware, compatible with Grace Consistometers

The innovative hardware design makes this add-on module easy to set up, easy to use, and easy to clean with its Telfon-only wetted materials. Double-seal design prevents acid leakage from sample cup into pressure chamber. This M7530 Corrosion Tester is compatible with Grace Consistometer M7250, M7260, M7270, and M7280.



Lower cup into the chamber

Operational Features

- *Innovative controlled shear rate and patent pending.*
- *Double seal design prevents acid contact with hydraulic oil.*
- *Corrosion coupons are completely separated from hydraulic oil.*
- *Teflon-only wetted material designed for use with acids.*
- *Module specifically designed for Grace Consistometer M7250,*
- *M7260, M7270, and M7280 but can work with their existing consistometer.*
- *Module is inexpensive and keeps acid contained.*
- *Module is all Teflon wetted material, except coupons itself, to ensure accurate corrosion testing and prevent corrosion of equipment.*

Specifications:

Mechanical Specifications

Temperature Range:	Amb. to 400 °F
Pressure Range:	Atm. to 25,000 psi
Heater Power:	3,000W
Power Supply:	240V, 50/60 Hz
Sample Cup Rotation:	0-250rpm
Pressure Medium:	White mineral oil

Patent pending

Corrosion Consistometer Dimensions

Height:	53”
Width:	26”
Depth:	26"

Corrosion Module Dimensions

Height:	10.3”
Width:	3.2”
Depth:	3.2"