

# DETERMINATION OF ACCELERATED IRON CORROSION IN PETROLEUM PRODUCTS



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# DETERMINATION OF ACCELERATED IRON CORROSION IN PETROLEUM PRODUCTS

## Test Method

Accelerated Laboratory and Field Procedure for the determination of corrosion of iron, in the presence of water, on samples such as gasoline and gasoline blended with 10% ethanol, E10 (Specification D4814); gasoline-blend components (except butane); diesel fuel and biodiesel B5, except Grade No. 4-D (Specification D975); biodiesel B6 to B20 (Specification D7467); diesel-blend component such as light cycle-oil; No.1 fuel oil, No.2 fuel oil (Specification D396); aviation turbine fuel (Specification D1655).

## Accelerated Iron Corrosion Tester

- Preset Temperature and RPM value in direct accordance with ASTM D7548
- 5" Touch Screen Control Display with Soft keys
- 4-position liquid bath
- Integrated Timer
- Small Footprint

## Specifications

Conforms to the specifications of:  
ASTM D7548

Temperature Setting: 37.8°C (100°F)

Bath Tank Volume: 1.3 Gallons

Heating/Cooling: Peltier Regulating System

Stirring Speed: 100 RPM; 900 RPM

## Dimensions

l x w x h, in.(cm)  
15x23x14 (38.1x58.5x35.5)  
Net Weight: 35 lbs (15.9kg)

## Included Accessories

- 5ml Syringe with 63.5 mm (2.5 in) long needle
- Temperature Probe (4)
- Test Jar, 90 ml capacity, flat-bottom (4)
- Test Jar Cap (4)
- Port Cover (4)
- Corrosion Test Specimen Assembly (4)
- Magnetic Stirrer Bar according to ASTM (5)
- O-Ring (4)
- Ethernet Crossover Cable (1)



K30260 Accelerated Iron Corrosion Tester

## Ordering Information

|             |                                                     |
|-------------|-----------------------------------------------------|
| Catalog No. |                                                     |
| K30260      | Accelerated Iron Corrosion Tester, 115V 60Hz        |
| K30269      | Accelerated Iron Corrosion Tester, 220-240V 50/60Hz |

## Accessories

|             |                                                                                                                                                          |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 250-000-28F | ASTM 28F Thermometer, Range: 97.5 to 102.5°F                                                                                                             |
| 250-000-28C | ASTM 28C Thermometer, Range: 36.6 to 39.4°C                                                                                                              |
| K30130      | Polishing Chuck                                                                                                                                          |
| K30150      | Drive Motor, 115V                                                                                                                                        |
| K30180      | Drive Motor, 230V                                                                                                                                        |
| 380-100-002 | Silicone Carbide Abrasive Cloth Roll, C-100 grit Open Mesh, 38mm width x 22.5m length<br>For Preliminary grinding and final polishing of test specimens. |



1595 SYCAMORE AVENUE • BOHEMIA, NEW YORK 11716-1796  
1-800-878-9070 (IN U.S. ONLY) • TEL: +1 631 589 3800 • FAX: +1 631 589 3815  
WWW.KOEHLERINSTRUMENT.COM • EMAIL: SALES@KOEHLERINSTRUMENT.COM

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