ASTMD4377 & ASTM D4928

Model : 11521-0KF2

ASTMD4377 & ASTM D4928,

**SPECIFICATION**

| Overview | The apparatus conforms to the ASTM D4377 and ASTM D4928, which is used for testing water content of crude oil in the refining, purchase, sale, or transfer of crude oils. The used for determine water in the range from 0.02 to 2 % in crude oils. Mercaptan and sulfide (S− or H2S) sulfur are known to interfere with this test method and determine water in the 0.005 to 0.02 mass % range, but the effects of the mercaptan and sulfide interference at these levels has not been determined. For the range 0.005 to 0.02 mass %, there is no precision or bias statement. |
| Features | Coulometric Karl-Fischer Titrator tester is controlled by the SCM, which features system fault self-diagnosis, color liquid LCD touch screen and friendly human-computer interface; the tester can deduct blank current automatically with high test result accuracy, large current background compensation function, shorten the stand-by time greatly, particular reagent failure detection function, reminds user to change the invalid reagent, improve the use ratio of the reagent greatly. The built-in multiple water content formula meets different user’s demand. Equipped with high efficient miniprinter, built-in large capacity storage, which can store 500 test records, convenient retrieval mode, user can read and print the test report expediently. |

**Technical parameters**

- Measure theory: Coulometric Karl-Fischer Titrator (ASTMD4377 and ASTM D4928)
- Measure voltage: Double platinum electrode, constant current polarization detection
- Blank current: Real-time detect the reagent moisture absorption and visual display, deduct blank current automatically
- Measure range: 1 μg-200mg 1ppm-100%
- Sensitivity: 0.1 μg
- Accuracy: 2 μg-500μg ± 1 μg 0.1% above 500μg(not including sample injection error)
- Automatic printing: Built-in thermal printer
- Content calculation: Multiple calculation formula for choice, automatically display water content
- Reagent lifetime: track the reagent consumption automatically, warn user after losing efficacy
- Analyze rate: user can set the electrolysis according to the analyze requirements
- Historical records: store 500 test records with sample number and test time mark for user to inquire and print
- Voltage: AC 220V±10% 50HZ±5% or AC 110V±10% 60HZ±5%

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