



## UNIVERSE TAN & TBN (KARL FISCHER MOISTURE TITRATOR) TESTER AZA1315

The AZA1315 Karl Fischer Moisture Titrator from AZA Lab is a high-precision analytical instrument developed for accurate determination of trace water content in petroleum products, lubricating oils, additives, chemicals, and related liquid samples using the Coulometric Karl Fischer titration method.

Designed and manufactured in full compliance with internationally recognized standards including GB/T 7600, SH/T 0246, ASTM D1533, and ASTM D6304, the AZA1315 delivers accurate, repeatable, and globally accepted moisture analysis results for laboratory and industrial applications.

Powered by advanced microcomputer control technology, the system offers rapid testing, high sensitivity, stable operation, and automated titration performance. Its 7-inch color touch-screen interface, intelligent control system, and integrated thermal printer make it an ideal solution for refineries, research laboratories, blending plants, and industrial quality control environments.



### APPLICATIONS

- Moisture determination in petroleum products
- Analysis of lubricating oils and additives
- Quality control in refineries and blending plants
- Petrochemical laboratories
- Research & Development facilities
- Industrial testing laboratories
- Regulatory and inspection laboratories



## UNIVERSE TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1315
Titration Method	Microprocessor-Controlled Coulometric Titration
Electrolytic Current Output	0–400 mA, Automatic Control
Display System	7-Inch Color LCD Touch Screen
User Interface	Touch Screen Input
Sensitive Valve Resolution	0.1 $\mu\text{g}$ H <sub>2</sub> O
Accuracy	10 $\mu\text{g}$ – 1 mg H <sub>2</sub> O: $\pm 3 \mu\text{g}$ Above 1 mg H <sub>2</sub> O: $\pm 0.3\%$ (Excluding Injection Error)
Power Consumption	< 100 W
Operating Environment	Free From Vibration, Strong Magnetic Fields, Dust, and Corrosive Gases