AZA LAB / LABORATORY TESTING EQUIPMENT

KARL FISCHER COULOMETRIC TITRATOR

AZA1218 | TECHNICAL DATASHEET



PRODUCT OVERVIEW

AZA1218 is a Karl Fischer coulometric titrator for trace moisture measurement in liquids, solids and gases. The TITR-K5 reference instrument features a 7-inch touchscreen, automatic drift compensation, adjustable stirring, data storage and a built-in thermal printer.

TECHNICAL SPECIFICATIONS

Parameter	Specification
AZA LAB model	AZA1218
Measurement method	Karl Fischer coulometric method
Display measuring range	0.1 µg to 9999.9999 mg water
Water content range	0.000001%–100%; 0.001 ppm–10^6 ppm (supplier-stated)
Resolution	0.1 µg water
Display	7-inch colour LCD touchscreen
Accuracy, 3–1000 µg water	±2 µg
Accuracy, above 1000 µg	±0.2% of measured value; excludes sampling error
Endpoint indication	Screen, audible alert, printout and endpoint lamp
Blank / drift compensation	Automatic microprocessor control
Stirring speed	Adjustable
Delay titration	0–100 seconds
Electrolysis speed	Peak 2.4 mg water/min
Electrolytic current	0–430 mA
Data and records	Historical data storage; user-defined sample number
Printout	Built-in thermal printer; 56 mm paper width
Self-check / clock	Automatic fault diagnosis; persistent date/time
Optional function	Automatic liquid filling and draining
Power supply	220 V ±10%, 50 Hz ±2.5 Hz; <100 W
Operating conditions	5–40 °C; relative humidity <85%
Instrument dimensions	350 × 260 × 198 mm
Net / gross weight	10 kg / 14.6 kg
Package dimensions	450 × 450 × 300 mm

CONTACT

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