



## KARLFISHER MOISTURE ANALYZER

Description	Image
<p><b><u>Karl Fischer Moisture Analyzer:</u></b></p> <p><b>Technical Parameters</b></p> <p><b>Temperature range:</b> -10 to 100°C</p> <p><b>Sensing element:</b> 2 platinum wires</p> <p><b>Diameter of Pt wire:</b> 0.5 mm Distance</p> <p><b>Between the Pt wires:</b> 4 mm Connection: BNC plug</p> <p><b>Cable length:</b> 0.55 cm</p> <p><b>Min. immersion depth:</b> 22 mm</p> <p><b>General Information:</b></p> <p><b>Measuring ranges:</b> 0.1 to 100%</p> <p><b>Resolution:</b> 0.5 µg of water</p> <p><b>Uncertainty:</b> refer to Guide to Uncertainty Calculations (R31T009)</p> <p><b>Electrode Input (BNC):</b> 1 AC polarised electrode input ±56 µA ±5%</p> <p>Voltage range: ±2000 mV</p> <p>Resolution: 0.1 mV</p> <p>Uncertainty: &lt; ±4 mV</p> <p>Resistance: 71.5 kΩ</p> <p><b>Inputs/Outputs:</b> 2 RS232C serial ports for Printer/PC and additional TIM550 connections 1 serial port for balance 1 Mini-DIN port for PC keyboard and/or bar code reader</p> <p><b>Methods:</b> Volumetric KF titration KF reagent standardisation Blank determination</p> <p><b>Data storage:</b> 50 user-programmable methods with alphanumeric name and protection facility including 10 pre-programm applications</p> <p><b>GLP Functions:</b> TIM550 storage capacity for 20 KF standards, 20 KF titrants, 20 titrant standardisation 200 results, 10 blank determinations</p> <p><b>Stirring:</b> 11 reproducible speeds: 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000 and 1100 rpm</p> <p><b>Typical titration time:</b> 2 to 5 minutes</p> <p><b>Printouts:</b> Condensed and detailed GLP result bulletins. Printout of methods, GLP tables</p> <p><b>Working temperature:</b> 5 to 40°C</p> <p><b>Ambient temperature:</b> Metrological characteristics guaranteed between 15 and 30°C</p> <p><b>Relative humidity:</b> 20 to 80%</p> <p><b>Fuse requirements:</b> Main fuses: slow blow 0.2 A (230 V) Secondary fuse: 2 A picofuse, UL recognised</p>	



**Power requirements:** 47.5 - 63 Hz; 115/230 Vac +15 -18%

<i>Position of selector switch</i>	<i>Mains supply voltage range (-18% ... +15%)</i>	<i>Typical current (to +15%)</i>	<i>Max. current</i>
115 V	[94 V ... 133 V]	200 mA	400 mA
230 V	[188 V ... 265 V]	100 mA	200 mA

**Level of pollution:** 2

**Transitory overvoltage:** level II

**Display:** 2 x 16 character, alphanumeric LCD display

**Finish:** chemical resistant, splash proof cabinet

**Weight:** 5 kg (excluding bottles)

**Dimensions**

**(H x W x D):** 380 x 230 x 450 mm (excluding tubings)

**Make:** TetraLab ,France

### Karl Fischer Moisture Analyzer:

#### Main Feature

1. The host SOC adopts ARM9 chip frequency up to 400Mhz, running memory 128M, so that the instrument has more powerful computing power, and the task is easy to perform;
2. The integrated injection molding shell has smooth and beautiful lines, anti-corrosion coating on the surface, corrosion resistance, aging resistance, anti-static, and beautiful unlike the strength pie;
3. The built-in 10.1-inch large color touch screen has more display content, and the ergonomic hinge design can adjust the screen angle arbitrarily. The operation of the instrument is not laborious;
4. Sample identification function, the instrument automatically starts electrolysis after the user does not need any operation;
5. The built-in automatic dosing, discharge, cleaning, oil discharge means, automatic level detection, automatic discharge start overrun, oil-water separation technology, non-stop oil discharge, the automatic cleaning cell;
6. Built-in electronic balance, automatically calculate the water content by automatically weighing the sample, without manual calculation;
7. PWM mode adjusts the stirring speed, directly input the number in the interface or click the button to adjust, which is more accurate and convenient than the potentiometer adjustment;
8. also shows the water content in the online measurement time, PPM, the percentage content of the electrolytic current, voltage, system time, the experiment problem can be found at a glance in time;





- 9. Built-in multiple experimental methods, different experimental parameters can be designed according to different samples;
- 10. The measurement results are automatically calculated, including percentage, ppm, mg, etc.;
- 11. Comply with GLP's experimental records, including measurement time, water content, percentage, system time, operator, etc.
- 12. Expand the storage space, can save more than 100,000 experimental records, can be connected to the U disk, the measurement results are directly stored in the U disk and into the computer for browsing, printing and other operations;
- 13. Built-in thermal printer, the experimental record can be printed at any time.

### Technical Parameters

Name	:Technical Parameters
Model	:LO-MT-V320
Measuring range	:0--300mg water
Measurement speed	:2.24mg H2O/min (maximum)
Measurement accuracy	: 3ug (10ug--100ug H2O) ≤0.3% (water content >100ug H2O)
Resolution	: 0.01ug H2O
Electrolysis current	:400mA
Electrolytic electrode	:Platinum with diaphragm
Storage Expands as needed to save over 100,000 records	

Users automatically start measurement after injection, display data in the measurement process in real time, automatically detect liquid level over-limit automatic start draining, oilwater separation technology to achieve non-stop oil drain, automatic cleaning of electrolytic cell function, automatic liquid addition.

RS232	:interface 2
USB	:interface 1
Electronic balance	:Measure 0-100g resolution 0.001g
Automatic weighing of sample weight. Automatic calculation of water content	
Ambient temperature	:+5 ~ +40 °C; humidity <80%
Power supply	:110-250V 50Hz
Instrument size	:495x330x325mm
Instrument weight	:4kg

**Make** : Japan