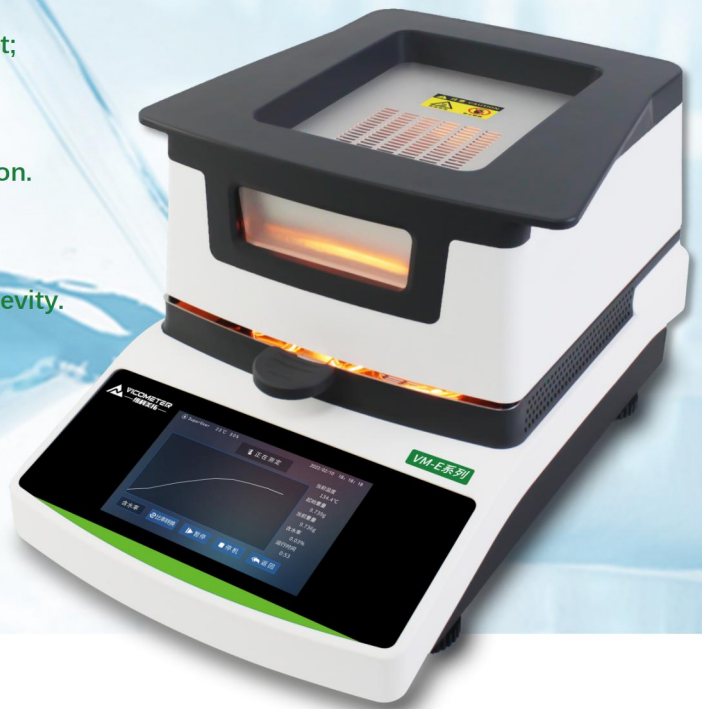


High-Performance Moisture Analysis

- Real-Time Drying Curve, User & Permission Management;
- 96 Sets Custom Method And 2004 Sets Historical Data.
- Supports Weight Calibration And Temperature Calibration.
- Easy To Operate, One-Click Start, Get Reliable Results.
- Ring-Shaped Halogen Lamp, Drying Quickly, Evenly, Longevity.
- 96 Sets Customized Measurement Methods.
- Mc%, Dc%, Am%, Ad%, Weight Value, Temperature, Time, Etc
- Rs232/Rs485 (Connect PC, Printer, PLC, LIMS, MES, Etc.)
- Suitable For Different Standards (ISO, ASTM, GB/T, ETC)



VM-E Series HALOGEN MOISTURE METER

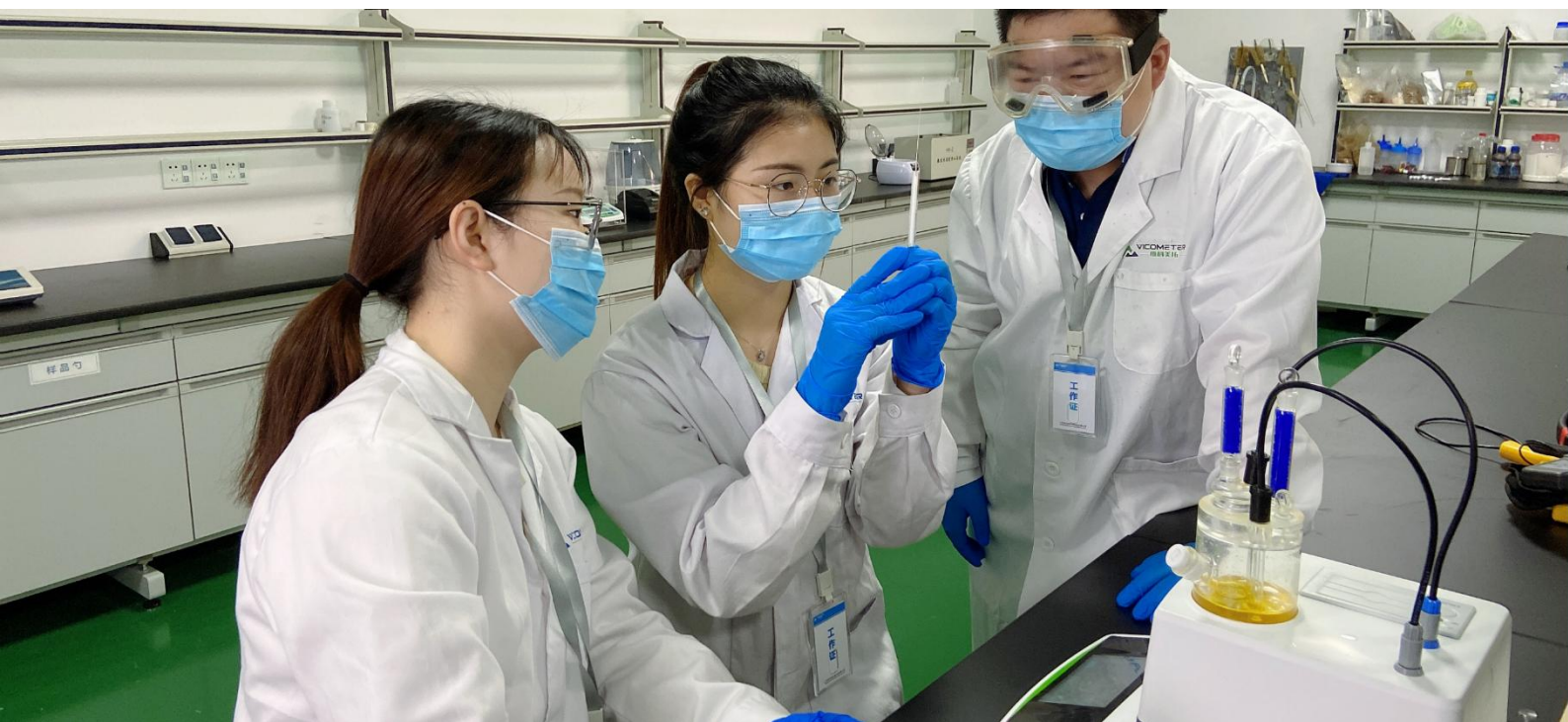
Chinese National High-tech Enterprise, Factory Area 6000 square meters

More than 60 proprietary intellectual property rights; Over 88,000 users

CE, ROHS, ISO, SGS, ETC, TUV CERTIFICATE

ISO9001:2015 QUALITY CERTIFICATION SYSTEM CERTIFICATE

VM-E SERIES HALOGEN MOISTURE METER



HALOGEN RAPID MOISTURE METER

VM-E series halogen moisture meter integrates the mature technology of VICOMETER in moisture area. It uses an efficient drying heater halogen lamp for analyzing, quickly and evenly. Suitable for different samples, high accuracy and long service time.

Wide Application

VM-E series halogen moisture meter can test the moisture content of Particles, powders, flakes, non-volatile liquids samples. Widely used in pharmaceuticals, chemical, electronics and semiconductor industry, plastic & rubber, tobacco, tea, food, starch, feed, coal, sand, sewage sludge, dairy and so on.

One-Click Design

Easy operation, no need install & training; colorful touch screen, Real-time display of sample status, One-click design, automatic test and show the moisture value when auto-stop.

Multiple Display Values

MC%, DC%, AD%, AM%, Sample & Moisture Weight, Dryer Sample Weight, Temp, Time, Analysis Curve for different industrial.

Intelligent Temperature Control System

PID tech by precision temp sensor and ring halogen lamps, can let test faster, safer, more uniform and longer life.

Rich Data Processing System

RS232/RS485 (can be connected to a computer, printer, PLC, LIMS, MES, etc.)

Multi-Calibration Function

Temperature calibration, weight calibration, and horizontal calibration are multiple calibration functions that can ensure the accuracy and stability throughout its entire life cycle.

User Permission Management

It has user permission management functions, meet GMP/GLP, and can manage user permissions, settings, operations, data deletion, program customization, etc. To ensure the stable operation and data security.

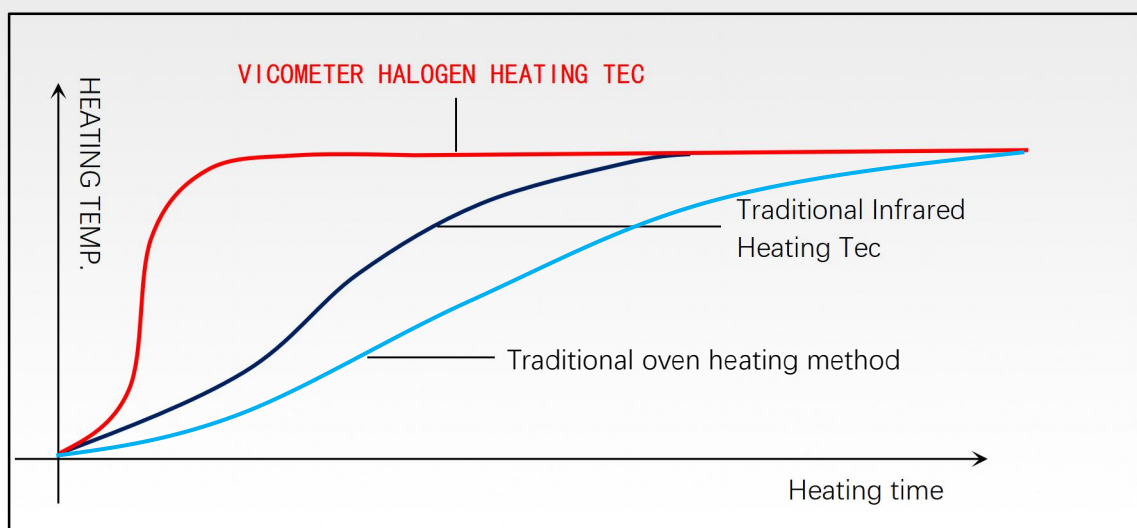
Custom Measurement Method

The meter can set 96 test methods. After the first setting, we can quickly choose the test method we need. Reduce the hassle of setting up measurement methods for testing different samples.

VM-E SERIES HALOGEN MOISTURE METER

Principle of Halogen Moisture Meter:

The heating weight loss method is a physical analysis method used to analyze the moisture content value. By taking advantage of the influence of temperature on moisture evaporation, the moisture in the material is dried. Traditional oven method involves placing the material sample in an oven for drying, weighing it using an electronic balance, and manually calculating the moisture value. It will takes 2-4 hours to get moisture value, and for some fast-paced production enterprises, the oven method seriously affects production efficiency and no longer meets the usage needs of such enterprises.



VM-E SERIES Use Halogen Lamp Heating Tec,40% Faster Then The Traditional Heating Methods.

The VICOMETER moisture meter adapt halogen lamp to drying the sample, replacing traditional oven method. Faster heating speed and uniform heating. The VM-E series integrate all functions of heating, weighing, calculation, and operation into one device. The system can intelligently stop and analyze the moisture value of the sample according to the measurement trend, and display the results directly on the screen, truly achieving one-click. The moisture results are consistent with the oven method, and the just a few minutes. The work efficiency is much higher than that of the traditional oven method.

VM-E Series Industry Applicability

《Industry Applicability and Detectable Sample Table for VM-E Series》

General Industry	Food, timber, paper, textiles, coal, ore, sand, soil, fertilizer, feed, chemicals, tobacco.
Inorganic Salt Powder	Calcium carbonate, refractory materials, talcum powder, alumina, gypsum, desiccants, ceramic slurry, ceramic powder.
Food and Drugs	Traditional Chinese Medicine, Western Medicine, Health Food, Essential Oils, Dehydrated Foods, Food Fillings, Food Powders, Fruits and Vegetables, Dried Fruits, Grain Products, Sugars, Meat, Edible Oils, etc.
Battery Industry	Lithium battery powder, lithium battery slurry, battery grade flakes, battery separator, grapheme.etc
Plastic and Rubber Industry	ABS, PP, PVB, PC, COC, BMC, DMC, SMC, BOPP, PBT, ESP, PET, PA, LCP, PVC, Recycled Plastic Chips, PE, Rubber, PS, EPE
Solid Content	Paint, milk soy-milk, glue, adhesive, rubber, slurry, mud, sludge, silicone, chocolate, soy sauce, toothpaste etc.

VICOMETER Offers Customized Solutions for different samples& industries. For more details, please contact sales@vicometer.com

VM-E Series

Halogen Moisture Meter· Technical Reference

Model	VM-E50	VM-E20	VM-E10	VM-E01
Weighing Accuracy (d)	0.005g	0.002g	0.001g	0.0001g
Moisture Readability	0.01%			0.001%
Moisture Range	0.00%-100.00%			0.000%-100.000%
Solid Content Range DC%	100.00%-0.00%			100.000%-0.000%
Weighing Sensor	HBM		Electromagnetic Force	
Net Weight	5.8KG		8.8KG	

Temperature Accuracy	0.1°C
Weighing Range	124g (Optional 220g/300g)
Calibration Method	External Weight Calibration (Single-Point& Multi-Points)&Temp. Calibration
Weighing Repeatability	≤3d
Heating Unit	Halogen Lamp
Temperature Sensor	PT-1000
Heating Program	Standard Heating, Step heating, Rapid heating, Soft Heating
Heating Temp. Range	40-200°C (250°C Customization)
Temp. Control	PID
Heating Time Set	1-99 minutes by 1s
Stop Mode	Clock Stop, Manual Stop, Automatic Stop
History Data	2004 Sets
Custom Determination Method	Can Set 96 Custom Methods
Display Data	MC%(Moisture Content),DC%(Dry Content),AD%(ATRO Dry Content),AM%(ATRO Moisture Content), Sample Weight,Moisture Weight,Dryer Sample Weight,Temperature,Time, Analysis Curve
More Function	User Management/Permission Management/Temperature Calibration/Dynamic Curve/Sample Number Customization
Testing Methods&Standards	Meets various national standards, industry standards, and international standards, and supports custom measurement methods
Program upgrades	Support USB flash drive local program update and upgrade
Display& Operating	5-Inch Touch Screen
Sample Pan	Φ90mm aluminum sample Pan*50,Stainless Steel Sample*4
Sample Height	24.5mm Max
Over Temperature Guards	Aluminum High Temperature Radiator&Automactic Over-temperature protector
Baud Rate	2400、4800、9600、19200
Data Communication	RS232/RS485(can be connected to a computer, printer, PLC, LIMS,MES,etc.)
Print Function	Optional Printer (thermal, needle, adhesive, etc.)
Environment	1-38°C (18-25°C will better)
Host Size (W*D*H)	315mm*210mm*205mm
Power Supply	220V or 110V 50HZ Max 500W

*Subject To Change Without Notice.

HALOGEN MOISTURE METER

VM-E Series Customer Cases And Applications (Partial Customer Cases)

THE ORIGINAL DATA IS FULLY DISPLAYED. THE MOISTURE ANALYSIS PROCESS IS CRYSTAL CLEAR.

The visualization design of the testing process and the real-time dynamic curve display of the samples make all kinds of original data fully visible, allowing users to have a clear understanding of the water content testing process.



Sophisticated data processing systems Facilitate daily data management and analysis for businesses.

RS232/RS485(can be connected to a computer, printer, PLC, LIMS,MES,etc.)

To facilitate daily management analysis, it provides data support for the stable operation of production.



VM-E SERIES

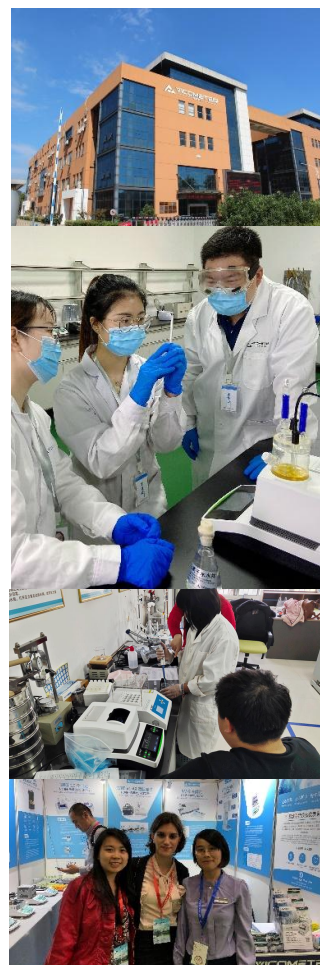
HALOGEN MOISTURE METER-ORDER INFO

Order Information

The Following Are The Accompanying Accessories When Ordering The Instrument

STANDARD ACCESSORIES

01	Aluminum sample pan	50
02	Stainless steel sample pan	4
03	Glass fiber paper	10
04	50、100g Weight	1
05	Clean brush	1
06	Windshield	1
07	Sample tray handle Sample tray stand	1
08	Tweezers for weight	1
09	Heat-resistant gloves	2
10	U Disk	1
11	Touch&Record Pen	1
12	Power Line	1
13	Calibration Certificate	1
14	Qualified Card/Warranty Card	1
15	User Manual	1



Worried data won't be recognized?

VICOMETER VM-E series halogen moisture meter meet meets multiple criteria such as China GB/T,JJG&ISO,ASTM,etc.

01	GB/T29249-2012 《电子称量式烘干法水分测定仪》	10	GBT3007-2006 《耐火材料 含水量试验方法》
02	JJG 658-2010 《烘干法水分测定仪 检定规程》	11	GB_T 6978-2007 《含脂毛洗净率试验方法》
03	GB/T 12519-2010 《分析仪器通用技术条件》	12	GB_T 12087-2008 《淀粉水分测定 烘箱法》
04	GB/T 9995-1997 《纺织材料含水率和回潮率的测定》	13	GB/T 1034-2008 《塑料 吸水性的测定》
05	GB / T 35887-2018 《白砂糖试验方法》	14	GB5009.3-2016 《食品中水分的测定》
06	SH/T 1770-2010 《塑料 聚乙烯水分含量的测定》	15	JJG-56-84 《混凝土减水剂质量标准 and 试验方法》
07	GB/T6284-2006 《化工产品中水分测定的通用方法-干燥减量法》	16	ASTM D6980-2017 Standard Test Method for Determination of Moisture in Plastics by Loss in Weight
08	GB/T 6102.1-2006 《原棉回潮率试验方法 烘箱法 纺织材料含水率和回潮率的测定》	17	GB/T 12006.2-2009 《塑料 聚酰胺 第2部分：含水量测定》
09	AATCC 199-2012 《Drying Time of Textiles Moisture Analyzer Method》	18	ISO 15512-2008 《Plastics-Determination of water content》

VICOMETER TEC CHINA CO.,LTD



Web: www.vicometer.com Email: sales@vicometer.com

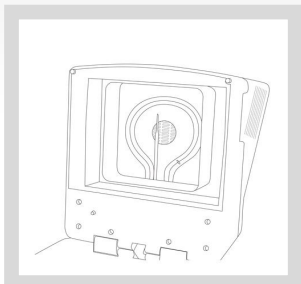
Add: Building 1, Phase II, Optoelectronic Industrial Park,

Wu Ling South Road, Taizhou, Jiangsu, China.

WORRIED ABOUT TEDIOUS OPERATIONS?

VM-E Series pursues ultimate perfection in product design, one click detection without any professional knowledge!

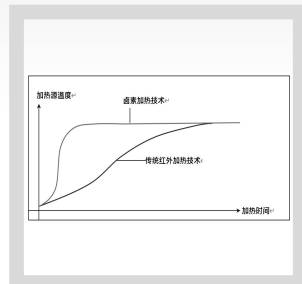
STEP OF ANALYZE



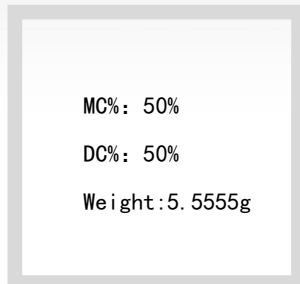
1. Press Tare with sample pan then put the sample to the sample pan



2. After the weight stable, one click start

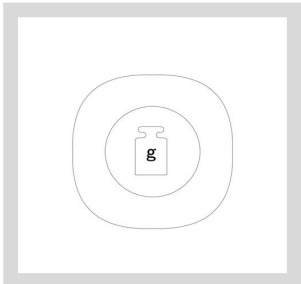


3. During the analyze process, you can click the curve button to view the real-time curve

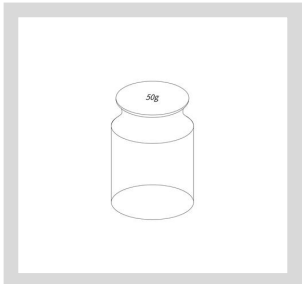


4. Ending and show the vale on the screen you can choose save,print and export to USB

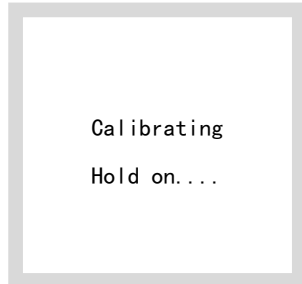
STEP OF WEIGHT CAL



1. Press "Weight CAL"



2. Put the Weight



3. Automatic Calibration



4. End

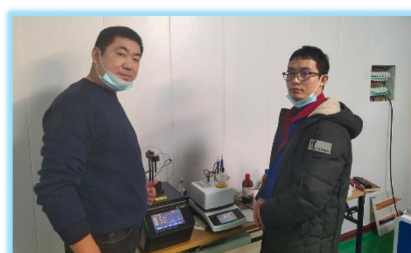
STEP OF WEIGHT CAL

MANUAL TEMPERATURE CAL:

Users can input the actual measured temperature into the instrument, and the instrument will perform linear coefficient calibration based on the input data.

AUTO TEMPERATURE CAL:

Users just connect the automatic temperature calibrator, press start, the instruction will calibrate automatically



WORRIED ABOUT ACCURACY?

As of 2023, VICOMETER has over 88000 successful cases as a guarantee, and the quality of VICOMETER is worthy of your trust!



WORRIED ABOUT UNPROFESSIONAL?

Our technical engineers provide installation and debugging training at the customer's site every day!



 **VICOMETER**
维科美拓

CONTACT US
GET MORE CASE

 **VICOMETER**
维科美拓

VICOMETER TEC CHINA CO.,LTD

Web: www.vicometer.com Email: sales@vicometer.com

Add: Building 1, Phase II, Optoelectronic Industrial Park,
Wu Ling South Road, Taizhou, Jiangsu, China.

WORRIED ABOUT INSTRUMENT NOT SUITABLE?

VICOMETER products are applied in various industries, and we can provide free testing solutions for enterprises according to different industries, tailoring your own proprietary instruments!



WORRIED ABOUT AFTER-SALES SERVICE?

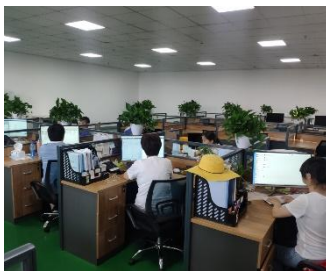
VICOMETER has a strong technical support team with over 60 intellectual property rights, supporting on-site technical guidance services, and also providing you with 7x24 hours of free technical consultation and other services!



VICOMETER TEC CHINA CO.,LTD

Web: www.vicometer.com Email: sales@vicometer.com

Add: Building 1, Phase II, Optoelectronic Industrial Park,
Wu Ling South Road, Taizhou, Jiangsu, China.



VICOMETER is a leading Chinese manufacturer of precision instruments and laboratory instruments. Our products include halogen moisture meters, Karl Fischer moisture analyzers, portable moisture meters, online near-infrared moisture meters, laboratory precision weighing balances, density meters, dew point meters, volcano cassette heating furnace, parts, other testing equipment etc. We serve a diverse set of industries, we are top suppliers in china market we serve, with a recognized brand and quality assured products.

[VICOMETER] provides high-quality instruments and equipment , trusted expertise and service offerings for the most industrial applications, the products are widely used in chemical, construction, paper, food, pharmaceutical, electronics industries universities, scientific research, factories, enterprises, schools, scientific research units.. Our product offerings are designed to enhance customers' productivity, yielding measurable benefits by helping them to work better, faster and more efficiently.

Our strategic objective is to deliver sustainable profitable growth for our company and employees by enhancing the productivity of our customers. The provision of industrial solutions, based on our high-quality instruments, deep application capability, reliable expertise and service offerings, remains at the core of our versions.

We are striving for be an industry leader and proudly to have global presence in the industries we serve.



VICOMETER TEC CHINA CO.,LTD

Web: www.vicometer.com Email: sales@vicometer.com

Add: Building 1, Phase II, Optoelectronic Industrial Park,

Wu Ling South Road,Taizhou.Jiangsu.China.

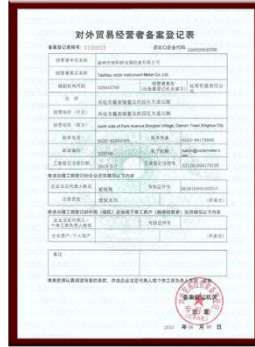
HONOR&CETIFICATE



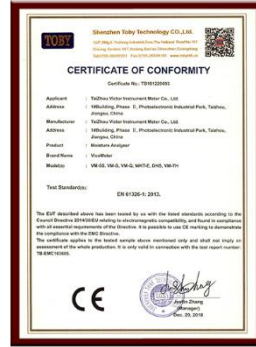
ISO9001:2015



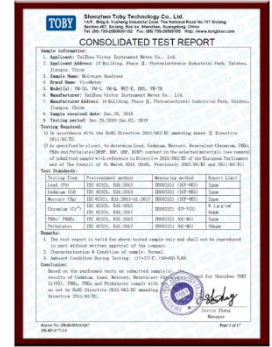
REGISTERED TRADEMARK



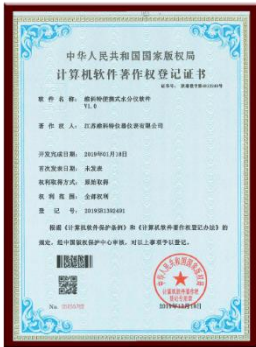
FOREIGN TRADE QUALIFICATIONS



CE



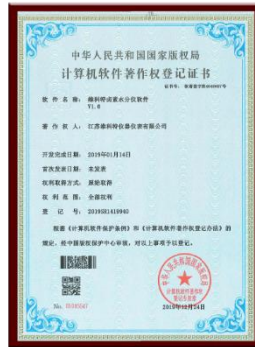
ROSH



Portable Moisture Software Certificate



KF Moisture Software Certificate



Oven Moisture Software Certificate



KF Moisture Meter Exterior Patent



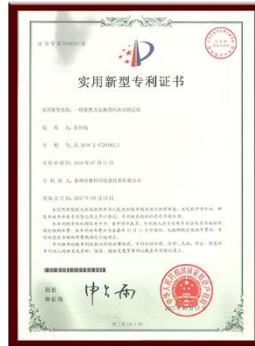
Halogen Moisture Meter Patent



Gas Injection Device Patent



Infrared Dew Point Patent



Portable Moisture Meter Patent



Liquid Online Moisture Meter Patent



KF Moisture Meter Patent



China High tech Enterprise Certificate



Private Technology Enterprise Certificate



Certificate Of High-Tech Product Certification



SCIENCE, SERVICE, QUALITY CREATE FUTURE

National

High Tech
Enterprises

40 Years

Industry
Experience

50,000,000

Registered
Capital

60+

Intellectual
Property Right

6000 m²

Factory
Area

88000+

Success
Cases

VICOMETER TEC CHINA CO.,LTD

JIANGSU VICTOR INSTRUMENT METER CO.,LTD

Web: www.vicometer.com Email: sales@vicometer.com

Tel: +8652389989770

Add: Building 1, Phase II, Optoelectronic Industrial Park,
Wu Ling South Road, Taizhou, Jiangsu, China.



Tips: The data in the white paper are experimental data of our company, unless otherwise specified. All information in this sample is for reference only and is subject to change without prior notice

Version: WKT 202265 V09