YOWEXA

YW SERIES METERS
CATALOGUE
2022
YW SERIES MERGED INSTRUMENTS

YOWEXA

ABOUT US

YOWEXA was established in 2010 and is a high-tech enterprise focusing on the R&D, manufacturing, export, and after-sales service solutions of precision measuring instruments and sensors.

It has ISO 9001 certification, a production area of 1,500 square meters, more than 30 R&D personnel, and dozens of patents.

Our main products are coating thickness gauge, disposable PDF temperature data logger, temperature and humidity data logger, air quality and environment meter, professional data logger, thermometer, and so on. Most of them passed FCC, CE, ROHS, Reach, DO-160G, EN12830, FDA 21CFR11, ASTM, DIN, ISO, BS, etc.

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Products are widely used in automotive testing, cold chain transportation of medicine and food, storage, bioengineering, pharmaceutical and food industry, equipment manufacturing, surface treatment, scientific research institutions and laboratories, HVAC, IoT, environmental health, ultra-clean space, hospitals, homes, schools, and other fields.

The sensor technologies we are involved in include thickness, temperature, humidity, carbon dioxide, TVOC, formaldehyde, haze, pressure, and process signals. At the same time, Bluetooth, WIFI, GSM, GPRS, Lora, NB, cloud services, and other IoT technologies are innovatively and economically integrated into our products, bringing customers a highly intelligent technological experience.

Based on high precision, competitive cost-effectiveness, on-time delivery, and good after-sales service, we have won a good reputation from our clients. Contact us and welcome ODM & OEM requirements.

SINCERELY HOPE THAT
WE COULD COOPERATE WITH YOU IN THE FUTURE
THANKS

INDUSTRIAL INSTRUMENT

CONTENTS

Wood Moisture Meter

YW-212 / YW-212L

YW-212 series instrument is an integrated wood moisture detector, which can be used to detect the moisture content of wood fiber items such as wood, bamboo utensils, cotton, tobacco, paper and Chinese herbal medicines (The percentage of the weight of moisture in the wood to the weight of the wood after it is absolutely dry).

· High sensitivity probe

· 4 levels of tree species measurement

· Resolution 0.1%

· Environmental temperature and humidity measurement（YW-212）

· Automatic temperature compensation

· Data retention（HOLD）

· Maximum measurement mode

· Display with backlight

· Buzzer prompt（YW-212）

· Battery level display

YW-212
Wood Moisture Meter with Environment Temperature Humidity Test and Buzzer Prompt
Part no.：1000500002

YW-212L
Wood Moisture Meter
Part no.：1000500027

Model	YW-212			YW-212L
Measuring Parameters	Moisture Content	Environment Temperature	Environment Humidity	Moisture Content
Measuring Range	2~75%	-10~50℃	0~100%RH (Non-condensing)	2~75%
Accuracy	±1.5%	±0.3℃	±3%RH(10~90%RH,25℃) ±4%RH(Others)	±1.5%
Resolution	0.1%	0.1℃	0.1%RH	0.1%
Response Time(t_{90})	1s	8s	8s	1s
Buzzer Notification	Yes			No
Automatic Shut-down	5 minutes			
Operation Temperature	-10~50℃			
Storage Temperature	-20~60℃(Without battery)			
Power Supply	3 pcs 1.5V AAA alkaline batteries/3 pcs 1.2V AAA rechargeable batteries			
Size of Probe	Φ2＊10mm			
Size of Device	135＊57＊30mm			
Material	ABS			
Weight	About 93g(Without battery)			

Temperature Humidity Meter

YW-201

The YW-201 is an instrument for measuring temperature and humidity, which can be used in food storage, material management, agriculture, forestry and animal husbandry, medical and health care, laboratory, public and home environment, etc.

· High-sensitivity probe

· Fast response speed

· Support measuring wet bulb temperature and dew point

· Temperature maximum/minimum measurement mode

· Value lock (HOLD)

· Button beep

· Screen backlight

· Automatic shutdown

· Battery protection

· Battery power display

YW-201
Temperature and Humidity Meter
Part no.:   1000500034

Model	YW-201	
Measurement parameters	Temperature	Humidity
Measurement range	-20~60°C; -4~140°F	0~100%RH(Uncondensed)
Resolution	0.1°C	0.1%RH
Accuracy	±0.3°C(-10~60°C) ±0.5°C(Other range)	±3%RH(60~100%RH) ±5%RH(Other range)
Sampling rate	1 times/second	
Unit	°C; °F	%RH
Operating environment	-20~60°C	0~100%RH(Uncondensed)
Storage environment	-10~60°C	20~70%RH
Protection level	IP40	
Power supply	3 pcs of 1.5V AAA alkaline battery	
Overall dimensions	137*55*28mm	
Housing material	ABS	
Weight	About 78g(Not including batteries)	

Differential Pressure Manometer

YW-721

YW-721 is an instrument for pressure difference measurement. It is often used to measure the small pressure difference (such as detecting the permeability of the filter), air flow pressure, small suction force, and pitot tube gas flow rate measurement.

· 12 pressure units

· Wind speed measurement

· Zero calibration and point calibration

· Data retention (HOLD)

· Difference mode supported

· Query the maximum and minimum values

· Display with backlight

· Automatic shut down

· Low power reminder

YW-721
Differential Pressure Manometer
Part no.: 1000500018

Model	YW-721
Parameter	Pressure difference; wind speed
Sensor	Differential pressure sensor
Measuring Range	Pressure: 0~100hPa 　　　　　　0~45.15inH$_2$O Wind Speed: 10~100m/s (medium density = air density = 1.29kg/m^3)
Accuracy	±0.03hPa (0~0.30hPa) ±0.05hPa (0.31~1.00hPa) ±(1.5%readings+0.1hPa) Other ranges ±0.01inH$_2$O (0~0.12inH$_2$O) ±0.02inH$_2$O (0.13~0.40inH$_2$O) ±(1.5%readings+0.04inH$_2$O) Other ranges
Resolution	0.01hPa/0.01inH$_2$O
Calibration	Zero calibration; point calibration
Unit	Pressure: hPa, kPa, bar, mbar, psi, mmHg, mmH$_2$O, inHg, inH$_2$O, ftH$_2$O, kgf/cm^2, ozf/in^2 Wins speed: m/s, fpm
Pitot Tube Coefficient	1
Sample Interval	0.5seconds
Operation Temperature	0~50℃
Storage Temperature	-20~60℃ (without batteries)
Power Interface	Micro USB
Power Supply	3 pcs of 1.5V AAA alkaline batteries /1.2V AAA rechargeable batteries
Battery Life	About 90 hours (when backlight off)
Size	135*57*30mm
Case Material	ABS
Weight	About 90g (not including batteries)
Certificate	CE; ROHS
Warranty	12 months

Digital Tire Pressure Gauge

YW-732

YW-732 is an instrument that can be used to measure the tire pressure and tread depth of automobiles (or motorcycles and bicycles, etc.).

· One button operation
· Large digital display
· Fast measurement
· Multiple units
· Energy conservation
· Low power protection

YW-732
Tire Pressure Gauge
Part no.: 1000500006

Model	YW-732		
Measuring Range	Pressure：	7.5~99psi 0.5~6.8bar 50~680kPa 0.5~6.8kg/cm^2	Depth： 0~15mm 0~19/32inch
Accuracy	±（1%+1LSD）		
Resolution	Pressure：	0.5psi 0.05bar 5kPa 0.05kg/cm^2	Depth： 0.1mm 1/32inch
Unit	Pressure: psi; bar; kPa; kg/cm^2 Depth: mm; inch		
Operation Temperature	-20~60℃		
Storage Temperature	-20~60℃		
Power Supply	2 pcs 3V CR2032 lithium battery		
Size	104*46*22mm		
Case Material	ABS		
Weight	About 42g (Not including batteries)		
Warranty	12 months		

Digital pH Meter

YW-612 / YW-612L

YW-612 is an instrument for detecting pH and temperature of solution. It can be used in industrial production, laboratory measurement, pharmaceutical preparation and food safety.

· Double display of pH, temperature

· High sensitive probe

· pH resolution up to 0.01 (YW-612)

· 3 point calibration

· Double color backlight

· Replaceable probe

· Automatic temperature compensation

· Numerical locking (HOLD)

· Optional automatic shutdown

YW-612
Digital pH Meter with Temperature
Test and pH resolution up to 0.01
Part no.: 1000500040

YW-612L
Digital pH Meter with Temperature Test
Part no.: 1000500041

Model	YW-612	YW-612L
Scope of measurement	pH: 0~14; Temperature: 0~60℃	
Precision	pH: ±0.05; Temperature: ±0.5℃	pH: ±0.1; Temperature: ±0.5℃
Resolution	pH: 0.01; Temperature: 0.1℃	pH: 0.1; Temperature: 0.1℃
pH repeatability	±0.03	±0.1
Operating environment	Temperature: 0~60℃; Humidity: ≤85%RH	
Storage environment	Temperature: 0~60℃; Humidity: ≤85%RH	
Unit of temperature	℃, ℉	
Protection level	IP66	
Power supply	2 pcs of 1.5V AAA alkaline battery/2 pcs of 1.2V AAA rechargeable battery	
Dimensions	180*44*44 mm	
Shell material	ABS	
Weight	About 103g (Without batteries)	
Warranty period	12 months	

Salinity Meter with Automatic Temperature Compensation

YW-622

YW-622 is an instrument for measuring the salinity and temperature of solutions. It can be used in industrial production, laboratory measurement, pharmaceutical preparation, and food safety.

· Double display of salinity and temperature

· 3 point calibration

· Multiple salinity units

· Automatic temperature compensation

· Replaceable probe

· Numerical locking (HOLD)

· Screen backlight

· Optional automatic shutdownr

Model	YW-622
Measuring range	Salinity: 0~50ppt; Temperature: 0~60℃
Resolution	Salinity: 0.01ppt (0.00~9.99ppt); 0.1ppt (10.0~50.0ppt); Temperature: 0.1℃
Accuracy	Salinity: ±3%F.S±1digit; Temperature: ±1.0℃
Repeatability of salinity values	±0.01ppt (0.00~9.99ppt); ±0.1ppt (10.0~50.0ppt)
Operating environment	Temperature: 0~60℃; Humidity: ≤85%RH
Storage environment	Temperature: 0~60℃; Humidity: ≤85%RH
Unit	Salinity: ppt, %, SG; Temperature: ℃, °F
Protection level	IP66
Power supply	2 pcs of 1.5V AAA alkaline batteries /1.2V AAA rechargeable batteries
Dimension	180*44*44 mm
Material	ABS
Weight	About 98g (without batteries)
Warranty period	12 months

YW-622
Digital Salinity Meter with Temperature Test
Part no.: 1000500025

Non-Contact Voltage Tester Pen

YW-322

YW-322 is an instrument used to detect whether objects are charged and can be used for industry, electricity, factories and home, etc. This non-contact detection for charged objects can greatly protect the safety of the inspectors.

· Non-contact testing

· Adjustable sensitivity

· Identifiable zero-fire line

· Breakpoint find

· Sound and light alarm

· LED lighting

· Automatic shutdown

· Low battery alarm

YW-322
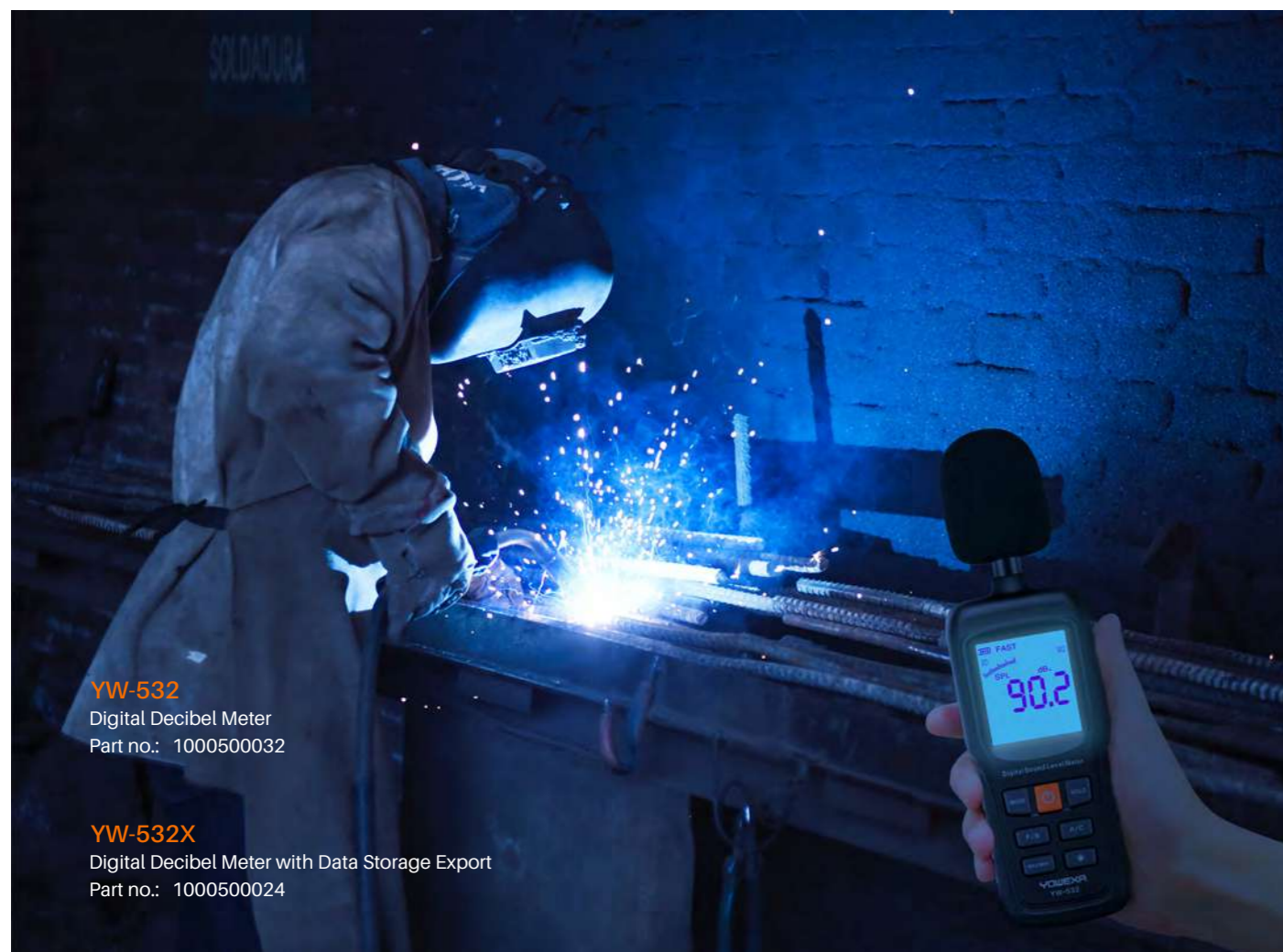Voltage Tester Pen
Part no.: 1000500014

Model	YW-322
AC voltage range	About 12~1000V(High sensitivity); About 48~1000V(Low sensitivity)
Frequency	50Hz / 60Hz
Alarm mode	Sound and light alarm
NCV sensitivity	2-Type(High, Low)
Operating temperature	0~40℃
Storage temperature	-10~50℃
Elevtitude	<2000m
Safety level	CE; CAT.III 1000V; CAT.IV 600V
Power supply	2 pcs of 1.5V AAA alkaline batteries
Dimensions	151*25*28mm
Material	ABS
Weight	About 29g(No battery)

Decibel Meter Digital Sound Level Meter

YW-532 / YW-532X

YW-532 is an instrument for measuring environmental noise, which can be used in the fields of machine manufacturing, equipment maintenance, architectural design, transportation, environmental protection, and health care. YW-532X adds the recording function on the basis of YW-532.

· Frequency A/C
· SLOW/FAST of time weight
· DC/AC signal output
· PC software (YW-532X)
· Data records (YW-532X)
· USB data export (YW-532X)
· Maximum/minimum measurement mode
· 4 measuring gears
· Numerical locking
· Support user calibration
· Screen backlight
· Automatic shutdown

YW-532
Digital Decibel Meter
Part no.: 1000500032

YW-532X
Digital Decibel Meter with Data Storage Export
Part no.: 1000500024

Model	YW-532	YW-532X
Recording function	No	Yes
PC software	No	Yes
Storage capacity	No	17280 sets of measurements
Record interval	No	1 second to 10 minutes
Measuring range	30~130dBA; 35~130dBC	
Resolution	0.1dB	
Precision	±1.5dB (reference tone standard, 94dB@1kHz)	
Measuring gear	30~130dB; 30~80dB; 50~100dB; 80~130dB	
Response frequency	31.5Hz~8.5kHz	
Sampling frequency	2 per second	
Frequency weighted characteristics	A and C rights	
Time weighting characteristics	FAST (time constant 125 milliseconds) SLOW (time constant 1 second)	
Analogical depiction	2dB / Characterization (30~130dB gear) 1dB / Characterization (other gear)	
AC signal output	4Vrms / output impedance is about 100Ω per full scale	
DC signal output	The output impedance of 10mV/dB, is approximately 85Ω	
Operating environment	Temperature: 0~40℃ Humidity: 10~80%RH	
Storage environment	Temperature: -10~60℃ Humidity: 10~70%RH	
Power supply	2 pcs of 1.5V AA alkaline batteries 2 pcs of 1.2V AA rechargeable batteries 5V USB	
Protection level	IP40	
Dimension	221*65*30 mm	
Material	ABS	
Weight	About 155g (without batteries)	

Split Design Light Meter
Digital Illuminance Meter

YW-552

YW-552 is an instrument specialized for measuring illumination and can be used in factories, lighting industry, planting, schools, offices, laboratories and street lamp construction.

· Value locking

· USB power supply

· Screen-band backlight

· Automatic shutdown

· Battery protection

· Double display of illumination and ambient temperature

· Automatic range

· Maximum/Minimum measurement mode

· Average view

· Record and view the data

· Button beep prompt

Model	YW-552	
Measurement parameters	Illuminance	Environment temperature
Measurement range	0~200000Lux 0~20000Fc	-10~50℃ 14~140°F
Accuracy	±3%rdg±10dgts(≤10000Lux) ±4%rdg±10dgts(Other range)	±1.0℃
Resolution	0.1Lux	0.1℃
Sampling rate	2 times/second	
Repeplicate test	±2%	
Unit	Lux, Fc	℃, °F
Operating environment	Temperature: -10~50℃; Humidity: 10~90%RH	
Storage environment	Temperature: -10~55℃; Humidity: 10~95%RH	
Power supply	2 pcs of 1.5V AA alkaline batteries 2 pcs of 1.2V AA rechargeable batteries 5V USB	
Dimensions	Host: 153*65*30mm Photosensitive probe: 58*58*30mm	
Protection level	IP41	
Material	ABS	
Weight	About 194g(No battery)	

YW-552
Light Meter Digital Illuminance Meter
Part no.: 1000500033

Integrated Design Light Lux Meter

YW-552M

YW-552M is an instrument for measuring illuminance, which can be used in factories, lighting industry, planting industry, schools, offices, laboratories and street lamp construction.

· Small and light

· All-in-one design

· Portable to carry

· Easy to operate

· Back Light function

· Lux / Fc selectable

· MAX / MIN measurement

· Data Hold

Integrated Design
Light Lux Meter

YW-552M
Digital Light Meter
Part no.:   1000500055

Model	YW-552M
Measuring range	0~200000Lux; 0~20000Fc
Accuracy	±3%rdg±10dgts(≤10000Lux) ±4%rdg±10dgts(Other range)
Resolution	1Lux
Sample rate	2 times/second
Repeatability test	±2%
Unit	Lux、Fc
Operating environment	Temperature: -10~50°C Humidity: 10~90%RH
Storage environment	Temperature: -10~55°C Humidity: 10~95%RH
Power supply	3*AAA 1.5V alkaline batteries; 3*AAA 1.2V rechargeable batteries
Dimensions	163*55*28mm
Protection level	IP40
Shell material	ABS
Weight	About 90g (without batteries)

YW-662
Water Quality Tester
Part no.: 1000500026

Digital Water Quality Tester
3-in-1 TDS EC & Temperature Meter

YW-662

YW-662 is an instrument for detecting TDS, EC(conductivity value) and temperature. It can be used in industries, laboratories, agriculture, and environmental protection.

· Titanium alloy electrode probe

· Quick measurement

· Long standby time

· High accuracy

· Temperature compensation
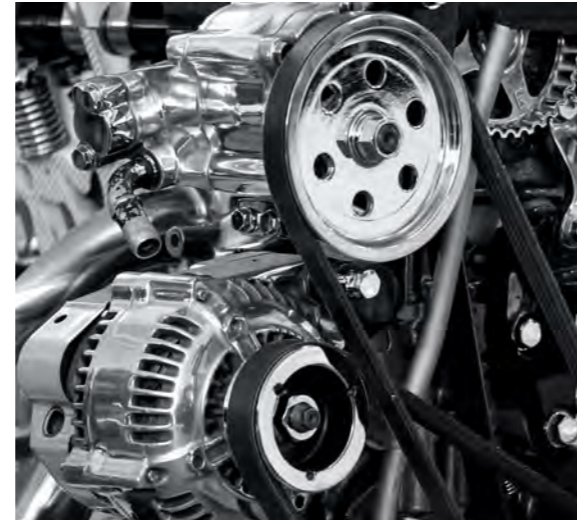
· Numerical locking

· Automatic shutdown

Model	YW-662		
Measurement Parameters	TDS	Conductivity	Temperature
Measuring Range	0~9999ppm	0~9999µS/cm	0~50℃; 32~122°F
Accuracy	±2%F.S		
Resolution	1ppm	1µS/cm	0.1℃
Unit	ppm	µS/cm	℃; °F
Operation Environment	Temperature:0~50℃; Humidity:≤85%RH(Non-condensing)		
Storage Environment	Temperature:0~50℃; Humidity:≤85%RH(Non-condensing)		
Power Supply	1 PC 3V CR2032 Lithium manganese battery		
Dimension	158*31*16mm		
Material	ABS		
Weight	About 47g(Not including battery)		

Combined / Non-contact / Contact Digital Tachometer

YW-762 / YW-762F / YW-762J

YW-762 series of instruments are used to measure rotational speed, line speed and flicker frequency of light source, and can be used in industry, automobile, electronics, textile and paper making.

· Four contact accessories replaceable (YW-762/YW-762J)

· Multiple measurement modes

· Data memory function

· Numerical lock(HOLD)

· Display with backlight

· Automatic range

· Automatic shutdown

· Battery power remind

YW-762
2-in-1 Contact / Non-Contact Meter Digital Tachometer Tester
Part no.: 1000500031

YW-762F
Non-Contact Digital Photo Tachometer
Part no.: 1000500043

YW-762J
Contact Digital Tachometer with Four Replaced Parts
Part no.: 1000500042

Model	YW-762	YW-762J	YW-762F
Measuring range	Photoelectric speed: 9.0~99999RPM Light source flicker frequency: 0.1~6000.0Hz Speed of contact: 1.0~19999RPM Line velocity: 0.10~1999.9m/min 0.4~6560ft/min	Speed of contact: 1.0~19999RPM Line velocity: 0.10~1999.9m/min 0.4~6560ft/min	Photoelectric speed: 9.0~99999RPM Light source flicker frequency: 0.1~6000.0Hz
Accuracy	±(0.5% reading+5)	±(0.5% reading+5)	±(0.5% reading+5)
Resolution	Photoelectric speed: 0.1RPM (9.0~999.9RPM) 1RPM (over 1000RPM) Light source flicker frequency: 0.1Hz Speed of contact: 0.1RPM (1.0~999.9RPM) 1RPM (over 1000RPM) Line velocity: 0.01m/min (0.10~99.99m/min) 0.1m/min (over 100m/min) 0.1ft/min (0.4~999.9ft/min) 1ft/min (over 1000ft/min)	Speed of contact: 0.1RPM (1.0~999.9RPM) 1RPM (over 1000RPM) Line velocity: 0.01m/min (0.10~99.99m/min) 0.1m/min (over 100m/min) 0.1ft/min (0.4~999.9ft/min) 1ft/min (over 1000ft/min)	Photoelectric speed: 0.1RPM (9.0~999.9RPM) 1RPM (over 1000RPM) Light source flicker frequency: 0.1Hz
Unit	RPM, Hz, m/min, ft/min	RPM, m/min, ft/min	RPM, Hz
Effective distance	50~500mm (non-contact measurements)	No	50~500mm
Range selection	Automatic range	Automatic range	Automatic range
Display	Large LCD screen with backlight		
Contact accessories	Yes	Yes	No
Protection level	IP43	IP43	IP43
Power supply	3 pcs of 1.5V AAA alkaline batteries /1.2V AAA rechargeable batteries		
Dimension	190*68*33mm	190*68*33mm	157*65*30mm
Material	ABS	ABS	ABS
weight(without batteries)	About 149g	About 149g	About 126g

Multi-functional Network Line Finder

YW-751

YW-751 is an instrument composed of a transmitter and a receiver. It supports network finding, telephone finding, and network line calibration, etc. It is an ideal tool for installation and maintenance engineers of weak current systems such as communication lines and integrated wiring.

· Multiple cable finding

· Cable sequence / open / short-circuit proofreading

· Path, open circuit test

· DC level positive and negative detection

· Headphones can be connected

· Shield detection (LED G)

· Adjustable hunting sensitivity

· Two proofreading speeds

· Low-pressure prompt

YW-751
Network Line Finder
Part no.:   1000500053

Model	YW-751
Test cable type	Network lines, telephone lines, and various power cables
Operating environment	Temperature: 0~40℃; Humidity: 20~75%RH
Storage environment	Temperature: -10~50℃; Humidity: 10~90%RH
Protection level	IP40
Power supply	2*9V square batteries
Dimensions	Transmitter: 125*49*27mm Receiver: 193*47*28mm
Shell material	ABS
Weight (without battery)	Transmitter: About 68g Receiver: About 90g

Professional Network Cable Tester

YW-771

YW-771 is an instrument composed of a transmitter and a receiver. It supports phone line and network line calibration, etc., and can be used for local area network management and integrated wiring construction.

· A variety of cable proofreading

· Short circuit / open circuit / line

· Sequence proofreading

· Support live test (cable voltage is lower than 48V)

· Shield detection

· Two gear test modes

· Low battery prompt

· Split structure design

YW-771
Network Cable Tester
Part no.: 1000500089

Model	YW-771
Test cable type	Network line, Telephone line
Operating environment	Temperature: -10~50°C Humidity: 20~75%RH
Storage environment	Temperature: -10~50°C Humidity: 10~90%RH
Protection level	IP40
Power supply	1*9V square battery
Dimensions	Transmitter: 102*62*25mm Receiver: 102*36*25mm
Shell material	ABS
Weight	Transmitter: About 81g (Without battery) Receiver: About 51g