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# PORTABLE MEASURING INSTRUMENTS



- Value
- Versatility
- Performance



**THE PRECISION MEASUREMENT PEOPLE**


**BVM-6360**

Application: used for measuring periodic motion, to check the imbalance and deflecting of moving machinery. This is specifically designed for present measuring various mechanical vibrations. So as to provide the data for the quality control, run time and equipment upkeep.

Use the high-performance acceleration meter, realize the repetitiveness and accurate measurement.

It has the function of testing axle bearing situation.

**SPECIFICATIONS:**

Models	BVM-6360 (Standard)	BVM-6360 (P)
Acceleration (Peak Value) (10Hz to 1KHz 10Hz to 10KHz)	0.1~200 m/s <sup>2</sup> 0.3~656.2 ft/s <sup>2</sup>	20.1~400 m/s <sup>2</sup> 0.3~1312.2 ft/s <sup>2</sup>
Velocity (RMS)(10Hz to 1KHz)	0.1-8.0 inch/s	0.1~400 mm/s 0.004~16.0 inch/s
Displacement (Peak to Peak) (10Hz to 1KHz)	0.001~2.0 (mm) 0.001~4.0 (mm)	0.04~80 mil 0.04~160 mil
RPM (Revolution)	5-100,000 r/min	
Frequency	0.1 to 10 KHz	
Accuracy	< 5%	
Regulated Output	AC output 2.0V peak full scale	
Operating conditions	0°C to 45°C	
Power supply	4x1.5V AAA (UM-4) battery	
Battery indicator	Low battery indicator	
Dimensions	124x62x30 mm	
Weight	120 g	


**BTM-8812**
**Applications:**

Used for measuring thickness and corrosion of pressure vessels, chemical equipment, boilers, oil storage tanks, etc. in industries of petroleum, shipbuilding, power station, and machine manufacturing.

**SPECIFICATIONS:**

MODELS	BTM-8812
Measuring range	1.2-225mm / 0.05-9 inch
Operating principle	ULTRASONIC
Materials measured	Any hard materials, including steel, cast iron, aluminum, red copper, brass, zinc, quartz glass, polyethylene, PVC, gray cast iron, nodular cast iron and other materials.
Sound velocity	500 - 9000m/s
Lower limit steel pipes	φ15x2.0mm, φ20x3.0mm determined by the transducer
Calibration block	included
Resolution	0.1mm
Accuracy	±(0.5% <i>n</i> +0.1)
Interface port	with RS232C
Power supply	4x1.5V AAA (UM-4) battery
Operating conditions	0~+40° / 0-90%RH
Dimensions / Weight	120x62x30mm / 164g (not including battery)

**Application**

With principal of Measuring Indication, we can measure the thickness of non-magnetic coating layers on magnetic substrate. Such as: (aluminum, chrome, copper, enamel, rubber, paint) on magnetic substrate (steel, iron, alloy and magnetic stainless steel)

With NF Type (Eddy Current) principal, we can measure the thickness of nonconductive coating layers covered on non ferrous substrate. Such as: (enamel, rubber, paint, vanish, plastic, anodic-oxide layer) covered on nonferrous substrate (aluminum, brass, zinc, tin and nonmagnetic stainless steel)


**BCM-8829 FN**

**BCM-8825**
**SPECIFICATIONS:**

MODEL	BCM-8829 FN	BCM-8825 FN
Operating principle	F & NF	
Measuring Range	0-1250um/0-50mil (default range)	
Resolution	0.1/1	
Accuracy	±1-3%n or ±2.5um	
Min. radius work piece	F: Convex 1.5mm / Concave 25mm N: Convex 3mm / Concave 50mm	-
Min. measuring area	5 mm	6 mm
Min. sample thickness	0.3 mm	
Metric/ imperial	Convertible	
Power Supply	4 x 1.5 V AAA (UM-4) Battery	
Battery Indicator	Low Battery Indicator	
Auto Switch off	Yes	
Dimensions	124 x 62 x 30 mm	126 x 65 x 27 mm
Weight (Not including battery)	115 g	81 g


**BMC-7825 PS**

**BMC-7812**

**Application:** Suitable for wood fiber materials, wooden articles, traditional medicine, tobacco, cotton paper, building, soil and other fibre materials.

**SPECIFICATIONS:**

MODEL	BMC-7825 PS	BMC 7812
Sensing Type	pin & search type	electromagnetic induction
Specifications	wood over 150 species	
Building moisture	0-50% (Concrete)	
Measuring range	0-80%	
Resolution	0.1	
Display	LCD display	
Accuracy	± (0.5%n + 1)	±1
Power supply	4x1.5V AAA (UM-4) battery	
Battery indicator	low battery indicator	
Dimensions	165x62x26mm	220x77x43mm
Weight (not including probe)	175g	193g


**BHT-6290**
**Application**

Used for fast and accurate measurement of moisture and temperature in the process of allotment, acquisition, storage, machining of packed grains, feedstuffs, power, etc.

**SPECIFICATIONS:**

MODEL	BMC-7821
Product info	Separate sensor
Measuring range	Humidity : 8-20%
	Temp : -10 ~ 55°C
Resolution	0.1
Accuracy	Humidity : ± 0.6(Under 14%), ± 0.8(15% ~ 18%), ± 1(Over 18%)
	Temp : ± 0.8°C
Calibration	Automatic
Grains	Paddy, Rice, Corn, Wheat
Power supply	4x1.5V AA (UM-3) battery
Dimensions	182 x 68 x 38mm
Weight	420g


**BHT-6290**

Widely used in workshops, offices, plants, libraries, computer stations, laboratories and warehouses.

**SPECIFICATIONS:**

MODEL	BHT-6290	BHT-6830
Product info	Separate sensor	In built sensor
Measuring range	Humidity : 0-100% RH	10-95% RH
	Temp : -10 to 65°	-10 to 65°
Resolution	0.1	
Accuracy	Humidity : 2.5% ± 1%RH	
	Temp : ± 0.5°	
Power supply	4x1.5V AA (UM-3) battery	
Dimensions	160 x 68 x 32mm	210 x 77 x 40mm
Weight (Not including probe)	202g	215g


**BHT-6830**


**BHT-6510 C**

**BHT-6510 A**

### Application

Shore-A Hardness Tester (BHT-6510A) is designed to measure the penetration hardness of rubber, elastomers and other rubber like substances such as neoprene, silicone, and vinyl. It can also be used for soft plastics, felt, leather and similar materials.

Shore-D Hardness Tester (BHT-6510D) is designed for plastics, Formica, Epoxies and Plexiglass.

### SPECIFICATIONS:

MODEL	BHT-6510A	BHT-6510C	BHT-6510D
Test scale	Shore Hardness		
Standards	DIN53505, ASTM D2240, ISO7619, JISK7215		
Parameters displayed	Hardness Result, Average Value, Max. Value		
Measurement range	0-100HA (BHT-6510A) / 0-100HD (BHT-6510D)		
Measurement deviation	< 1%H		
Resolution	0.1 H		
Auto switch off	Yes		
Interface	RS232C		
Operating conditions	0° to 40°		
Power supply	4 x 1.5V AAA (UM-4) battery		
Battery indicator	low battery indicator		
Dimensions	162x65x38mm		
Weight (not including probe)	173g	160g	


**BDT-2234 C**

**BDT-2857**

**BDT-2856**

**BDT-2858**

### SPECIFICATIONS:

MODEL	BDT-2234 C	BDT-2857	BDT-2856	BDT-2858
Type	Laser	Laser	Laser/contact	Laser/contact/surface speed
Measuring Range	Laser	2.5 ~ 99,999 rpm	2.5 ~ 99,999 rpm	2.5 ~ 99,999 rpm
	Contact	-	-	0.5 ~ 19,999 rpm
	Surface Speed	-	-	0.05 ~ 19,999 m/min
Laser Tachometer Distance	50 ~ 600 mm			
Accuracy	± (0.05% n + 1d)			
Resolution	0.01/0.1/1			
Memory	Max / Min / Last Value			
Power Supply	4 x 1.5V AA (UM-3) battery			
Battery indicator	Low Battery Indicator			
Dimensions	198 x 78 x 39mm	146 x 71 x 25mm	220 x 75 x 29mm	220 x 75 x 29mm
Weight (not including battery)	187g	114g	171g	175g


**BDT-2350B**

### Application

Any cases to measure the rotational speed of a rotating object the defect on its surface without the need to adhere any mark to reflect the light and thereby without the need to halt the object from its rotation.

### SPECIFICATIONS:

MODEL	BDT-2350B
Measurement Range	0-40000 FPM
Accuracy	$\pm (0.05\%n + 1d)$
Resolution	0.1 FPM (Less 1000 FPM) 1 FPM (Over 1000 FPM)
3 Ranges	H, M, L (High, Medium, Low)
Flash Adjust	Coarse and Fine
Flash Tube Lifetime	Million Times
Power Supply	220 V AC
Dimensions	220 x 125 x 125mm
Weight	680g


**GED-2600**

**GED-2600P**

Application: 2 in 1 (Engine & Laser tachometer ) Applicable to the product departments of motor, fan, paper-product, plastics, chemical fiber, washing-machine, automobile, airplane, steamer etc.

### SPECIFICATIONS:

MODEL	GED 2600		GED 2600P
Application	2-CIRCLE	1,2,3,4-cylinder	
	4-CIRCLE	1,2,3,4,5,6,8- cylinder	
Measurement range	Engine	100-20000r/min	200-900L
	Laser	2.5-99999r/min	-
Detection method	Engine	Electromagnetic induction	
	Laser	Reflective	-
Dictation Dispense	30-600mm		
Resolution	0.1/1		
Operating conditions	0 ~ +45° C / 10-90%RH		
Accuracy	$\pm(0.05\%n+1d)$		Display error $\pm 0.8\%$ at LD=900
Memory	MAX/MIN/LAST value		MAX value HOLD
Power supply	4x1.5V AA (UM-3) battery		2x1.5V AAA (UM-4) battery
Dimensions	182x68x38mm		100x35x23mm
Weight (not including probe)	164g		50g


**BTM-1310**
**Application:**

Used to measure the temperature of liquids, gases, solids and surface temperature.

**SPECIFICATIONS:**

MODEL	BTM-1310	BTM 6862
Measuring range	-50° ~1300°	-50° ~800°
Inputs	1	2
Data Hold	Max / Min / Value	yes
Resolution	0.1/1	
Accuracy	$\pm 0.3\%n+1^{\circ}\text{C}$	$\pm 0.75\%n+1^{\circ}\text{C}$
Display	LCD	
Power supply	4 x 1.5V AA (UM-3) battery	4 x 1.5V AAA (UM-4) battery
Battery indicator	Low Battery Indicator	
Dimensions in mm	220 x 77 x 43	132 x 64 x 33
Weight (not including battery)	174g	185g


**BHT-6292**
**Application**

This is widely used in workshops, offices, plants, libraries, computer stations, laboratories and warehouses.

**SPECIFICATIONS:**

MODEL	BHT-6292
Measuring range	Dew Point: -40~40°C, Humidity: 0~100%RH, Temp: -10° ~65°C
Accuracy	Dew Point: $\pm 0.5^{\circ}\text{C}$ , Humidity: $2.5\% \pm 1\%\text{RH}$ , Temp: $\pm 0.5^{\circ}\text{C}$
Display	LCD Display
Resolution	0.1°C
Time Response	2°C/s
Power Supply	4x1.5V AA (UM-3) battery
Operating Conditions	0~+40° (32° ~104°), $\leq 90\%\text{RH}$
Dimensions	161x69x32mm
Weight	202g (not including battery)
Standard Delivery	Main Unit
	Probe
	Instruction Manual


**BAM-4838**

**BAM-4832**
**Application:**

Installation, debug and repair for refrigeration industry, ventilation duct, environment monitor, navigation measurement, weather forecast, collection of the weather datum for outdoor busywork and fire department.

**SPECIFICATIONS:**

MODEL	BAM-4838	BAM-4832
Measuring Wind speed	0.4-30.0m/s 1.4-108.0km/h, 80-5910ft/min 0.8-59.3 knots	
Temperature	0°-60°C, 32-140°F	-
Accuracy	±2%±2d	
Resolution	0.1/1	
Display	LCD Display	
Power Supply	1 x 9V 6F22 battery	
Battery indicator	low battery indicator	
Dimensions	141x72x31mm	
Weight	248g (not including probe)	


**BSL-5858**

**BSL-5866**
**SPECIFICATIONS:**

MODEL	BSL-5858	BSL-5866
Standard	GB/T3785, IEC651 Type2, ANSI S1.4 Type2	
Function (sound level)	SL	SL
	LEQ (simple equivalent)	None
Measuring	A: 30-130dB	A: 30-130dB
	C: 35-130dB	None
	Line: 35-130dB	None
Filter	Yes	No
Detection Characteristics	Fast / Slow	
DC output	10mv=1dB	No
Resolution	0.1dB	
Accuracy	1dB	
Display	LCD Display	
Power supply	1x9V 6F22 battery	
Dimensions	195 x 72 x 31mm	
Weight	195g (not including probe)	158g (not including probe)


**BLX-9626**

**BLX-9621**
**Application**

widely used in electro-optical sources, research teaching, metallurgy building, industry inspection as well as agriculture researching and illumination control.

**SPECIFICATIONS:**

MODEL	BLX-9626	BLX-9621
Measuring Range	0~50000LUX	0~50000LUX
	0~5000FC	
3 Ranges	x1, x10, x100	
Resolution	1	
Accuracy	±5%n	
HOLD	Yes	
Band Pass Filter	Yes	
Overload Indication	1	
Power supply	4 x 1.5V AAA (UM-4) battery	
Battery Indicator	low battery indicator	
Dimensions	132 x 64 x 30mm	132 x 64 x 30mm
Weight	180g (not including probe)	180g (not including probe)


**BHM-6561**

**PHT-300**
**SPECIFICATIONS:**

MODEL	PHT-300	BHM-6561
HL Display Range	0-999 HLD	200-900HLD
Accuracy	± 6 HL	
LCD	Large LCD with backlight.	
Scales	HL, HV, HB, HRB, HRC, HSD, Mpa	HL, HV, HB, HRB, HRC, HSD
Resolution	1 HL; 1 HV; 1 HB; 0.1 HRB; 1 HSD; 1 MPa	
Measurement Direction	360°	
Operating Temperature	0° to +50° C (32 to 122° F)	
Humidity	90% max.	
Power	3 x 1.5V AAA batteries	2 x 1.5V AAA batteries
Dimensions	150mm x 80mm x 24mm	150mm x 80mm x 24mm
Weight	Approx. 200g	Approx. 200g

**Impact Unit D for PHT-300**

Impact Energy	11 N.mm
Mass of the impact body	5.5g
Test tip diameter	3mm
Test tip material	Tungsten Carbide
Test tip hardness	> 1600 HV
Impact Length	147mm
Impact Max. Diameter	20mm
Impact Weight	75g


**BTI 130EL**

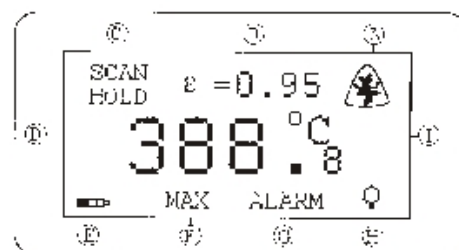
**BTI 210**

**BTI 200**

**BTI 120EL**

## FEATURES

- Fast and reliable non-contact temperature measurement
- Temperature range from -20°C to 1200°C (see table below)
- °C/°F selectable
- Adjustable emissivity, backlight
- Tolerance alarm
- Display of Max., Min., AT, Avg. and real time value
- Display hold, wide application



## SPECIFICATIONS:

MODEL	BTI 120EL	BTI 130EL	BTI 200	BTI 210
Measuring range	-20°C~500°C	-20°C~350°C	-20°C~700°C	-20°C~1200°C
Accuracy (which is greater)	±1% or ±1%C	±2% or ±2%C	±1% or ±1%C	±1% or ±1%C
Repeativity	±1% or ± 1°C get the greater		±0.5% or ± 0.5°C get the greater	
Display resolution	0.1°C or 0.1°F	0.2°C or 0.2°F	0.1°C or 0.1°F	0.1°C or 0.1°F
Optical resolution	8:1		35:1	
Spectral response	8-14μm			
Emissivity	0.30-1.00 adjustable	0.95 fixed	0.11-1.0 adjustable	
Response time	≤400ms			
Sighting mode	Laser			
Temperature display	°C or °F Selectable			
LCD backlight	Yes			
Alarm	High/low	High	High/low	High/low
Display hold	Yes			
Low battery alarm	Yes			
Work temperature	0°C+50°C (32°F~122°F)			
Relative humidity	10%-90%RH non-condensing up to 30°C		10%-90%RH non-condensing up to 40°C	
Storage temperature	-20°C+60°C (14°F~148°F) without Battery			
Power	AAA 1.5V battery (two pieces)			
Weight (g)	170	170	200	200
Dimensions	170x89x42	170x89x42	170x120x42	170x120x42


**TUD-300**
**SPECIFICATIONS:**

MODEL	TUD-300
Scanning Range	2.5 mm ~5000 mm
Scanning Resolution	0.1mm (2.5~100mm), 1mm (100~5000mm)
Gain Range	0~110dB
Sound Speed	1000~9999m/s
Bandwidth	0.2~15MHz
Unit	Metric/inch
Interface	RS232
AC Requirements	240V AC, 50Hz
Weight	1.47kg
Overall Dimension	243 x 173 x70 mm

**FEATURES**

- Measuring of pitch interval and analysis of echo times
- Auto-calibration of probe and auto-gain
- Two measuring unit: mm/inch
- All built-in software can be up-graded on PC
- Lock/unlock the system parameters
- Equipped with gate setting and alarming function
- Two measurement displaying mode: A-scan and B-scan
- Freeze/defreeze waveform and detection parameters
- Communicating with PC by RS232 port for transferring the measuring data and system parameters
- 10 detecting channels are available with separated detecting parameters and DAC curve in every channel
- Automatic generation of DAC curve, and 30 points can be recorded at most, adjustable offset curves and gain correction functions are available
- Provided with linear reject function, the highest range is 80% of the screen height
- Memory up to 300 A scanned images, parameters and DAC, and 30000 thickness values
- Four Rectify Ways: positive half-wave, negative half-wave, full wave and radio frequency
- Three detecting modes: single-probe, dual-probe ones and transmission


**SRT-6223**

Applications: Specially used to take accurate measurement of the peak-to-valley height of the surface profile of the surface profile of blast cleaned surfaces.

**SPECIFICATIONS:**

MODEL	BDT-2858
Display	4 digits, LCD
Range	0 μm to 800 μm (0 mils to 30 mils)
Accuracy	±5% or ±5 μm, (whichever is the greater)
Resolution	1 μm (0.1 mils)
Metric and Imperial switchable	
PC interface	RS232C
Measurement speed	>30 readings per minute
Weight	280 g
Dimensions	162 x 65x 28 mm (6.4 x 2.6 x 1.1 inch)
Operating temperature	0°C to 50°C, <80%RH
Case	High impact ABS
Batteries	4 x 1.5v (AAA) battery


**BSRT-6210**

This instrument is compatible with four standards of S&T to measure surface roughness of various machinery-processed parts, calculate corresponding and clearly display all measurement parameters. When measuring the roughness of a surface, the sensor is placed on the surface and then uniformly slides along the surface by driving the mechanism by the sharp built-in probe. This roughness causes displacement of the probe which results in change of inductive amount of induction coils so as to generate analogue signal, which is in proportion to the surface roughness at output end of phase-sensitive rectifier. The exclusive DSP processes and calculates and then outputs the measurement results on LCD.

**SPECIFICATIONS:**

MODEL	BSRT-6210	
Display	4 digits, 10 mm LCD, with blue backlight	
Parameters	Ra, Rz, Rq, Rt	
Measuring Range	Ra, Rq: 0.005-16.00um/0.020-629.9uinch	
	Rz, Rt: 0.020-160.0um/0.780-6299uinch	
Accuracy	≤±10%	
Fluctuation of display value	Not more than 6%	
Sensor	Test Principle: Inductance type	
	Radius of Probe Pin: 5um	
	Material of Probe Pin: Diamond	
	Dynamo-measurement of Probe: 4mN(0.4gf)	
	Probe Angle: 90°	
	Vertical Radius of Guiding Head: 48mm	
Maximum driving stroke	17.5mm/0.7inch	
Cutoff length (l)	0.25mm / 0.8mm / 2.5mm (optional)	
Evaluation length	5L	
Driving speed	sampling length = 0.25mm	Vt=0.135mm/s
	sampling length = 0.8mm	Vt=0.5mm/s
	sampling length = 2.5mm	Vt=1mm/s
	returning	Vt=1mm/s
Profile digital filter	Filtered Profile:	RC
	Filtered Profile:	PC-RC
	Filtered Profile:	Gauss
	Non-Filtered Profile:	D-P
Resolution	0.001μm	if reading <10μm
	0.01μm	if 10μm≤reading<100μm
	0.1μm	if reading ≥100μm
Power Li-ion battery	rechargeable	
Operating conditions	Temp. 0-50°, Humidity <80%	
Size / Weight	140x57x48 mm / about 420 g	