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Digital Track Gauge

The digital track gauge is mainly used for measuring the track gauge,check rail gauge,back to back distance,cant (super elevation) .

Unit(mm)

Model	GJC-JG0	GJC-JG1
Track gauge	1410-1470	1410-1470
Check rail gauge	1381-1401	1381-1401
Back to back distance	1338-1358	1338-1358
Superelevation range	±185	±185
Super-elevation resolution	0.05	0.10
Track gauge resolution	0.01	0.01
Track gauge max error	±0.25	±0.25
Superelevation max error	±0.3	± 0.45
Applicable rail line speed	≤350km/h	≤250km/h
Aluminum package box	Option	



Other Models Digital Track Gauges

unit(mm)

Model	JG1-600	JG1-900	JG1-1000	JG1-1067	JG1-1520	JG1-1600	JG1-1676
Track gauge	570-630	870-930	975-1025	1042-1102	1495-1555	1565-1635	1651-1711
Super-elevation range	±150	±150	±150	±150	±185	±185	±185
Super-elevation resolution	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Track gauge resolution	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Track gauge accuracy	±0.25	±0.25	±0.25	±0.25	±0.25	±0.25	±0.25
Super-elevation accuracy	±1.2	± 0.45	± 0.45	± 0.45	± 0.45	± 0.45	± 0.45



T Type Digital Track Gauges

This T type digital track gauge is special made for global market. Could be used for measuring the track gauge,check rail gauge,back to back distance, (super elevation) ,flangeway clearance .
unit:mm

Model	GJC-TJG0	GJC-TJG1
Track gauge	1384-1470	1384-1470
Check rail gauge	1364-1450	1364-1450
Back to back distance	1344-1430	1344-1430
Superelevation range	±200	±200
Flangeway clearance	20-107	20-107
Superelevation resolution	0.05	0.10
Track gauge resolution	0.1	0.1
Track gauge max error	±0.25	±0.25
Superelevation max error	±0.3	± 0.45
Aluminum package box	option	

Imperial type track gauge is optional,welcome to ask more details



Analogue Track Gauge

The analogue track gauge is used for measuring :

- Track gauge
- Check rail gauge
- Back to back distance
- Superelevation

unit(mm)

Model	TGC-W-II 1000	TGC-W-II 1067	TGC-W-II 1435
Track gauge	975-1030	1042-1102	1410 - 1470
Check rail gauge	907-927	970-990	1338 -1358
Back to back distance	947-967	1338 -1358	1381 -1401
Superelevation	±150	±150	±150
Track gauge division value	1	1	1
Super elevation division value	1	1	1

Other analogue track gauges :600mm,900mm etc,



Protable Track Gauge Calibrator

The portable track gauge calibrator is use to calibrate the 1435mm track gauge.It can calibrate the track gauge,check rail gauge and guard rail face gauge, and check the correctness of the superelevation zero position.

unit(mm)

Calibration range	Model	LJ-JDQ-III
Track gauge		1345
Check rail gauge		1391
Back to back distance		1348
Palibration range		±0.2



Calibrator For Railway Track Gauge(Sin Principle)

The calibrator is a railway measuring instrument that used to calibrate the 1435mm track gauge, the guard rail check gauge, the guard rail face gauge and the super-elevation.

unit(mm)

Model	Calibration	Measurement range	Max error	
LJ-JDQ-I	Track gauge	1410~1470	Zero position	±0.04
			Nonzero position	±0.06
	Super elevation	Super elevation special gauge part 30mm、60mm、120mm、180mm Use according to the measured value	±0.06	



Rail Wear Gauge

Rail wear gauge (rail head loss gauge) is mainly used to measure the vertical wear and lateral wear of the rail. The reasonable design makes it convenient operation and intuitive reading.

unit(mm)		
Model	LJ-GM-A	LJ-GM-B
Type	Digital	Mechanical
Vertical rail wear	0-15	0-15
Lateral rail wear	0-25	0-25
Score value	0.01	0.1
Customize	yes	yes
Option device	Gauge block for wear gauge fast calibration	



LJ-GM-A



LJ-GM-B

Rail Wear Gauge Block

The Rail Wear gauge block is used for calibrating and measuring the zero error and indication error of the rail wear gauge. It can customized depends on the rail profile. It is made up of the base, standard reference block and deputy blocks.

Model: LJ-JM-LK



Apply For Analogue Rail Wear Gauge



Rail Frog Wear Gauge

Rail frog wear gauge is used for special measuring tools of railway maintenance department for frog and wing rail wear value.

unit(mm)

Model	LJ-ZC-A	LJ-ZC-B
Type	Digital	Mechanical
Wing rail vertical wear	-15~10	-15~10
Frog point rail vertical wear	-15~10	-15~10
Accuracy	0.01	0.1
Indication error	± 0.01	± 0.3



LJ-ZC-A

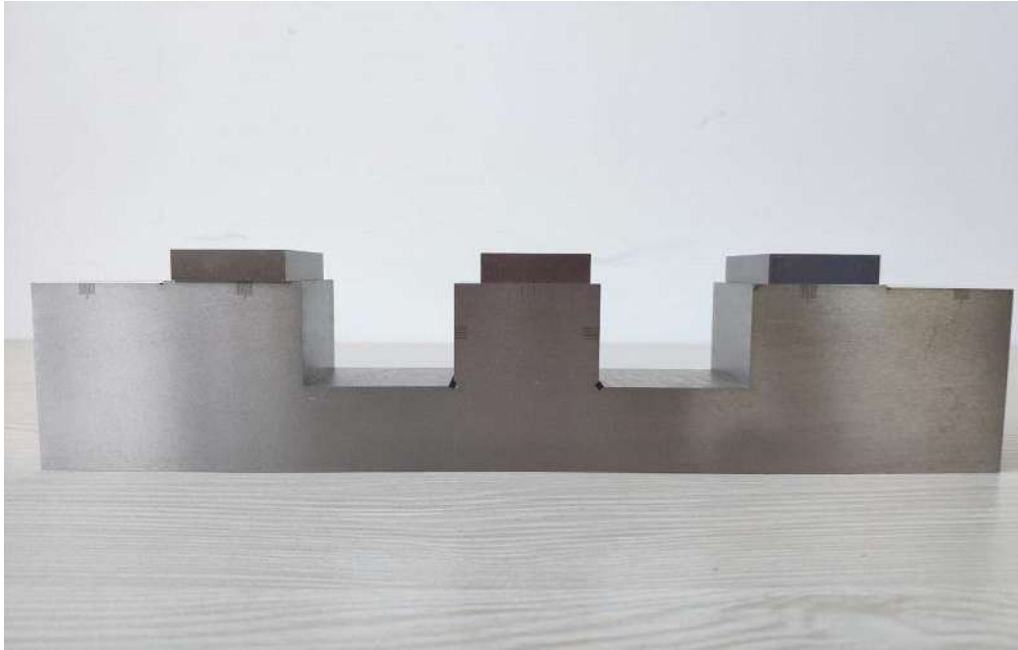


LJ-ZC-B

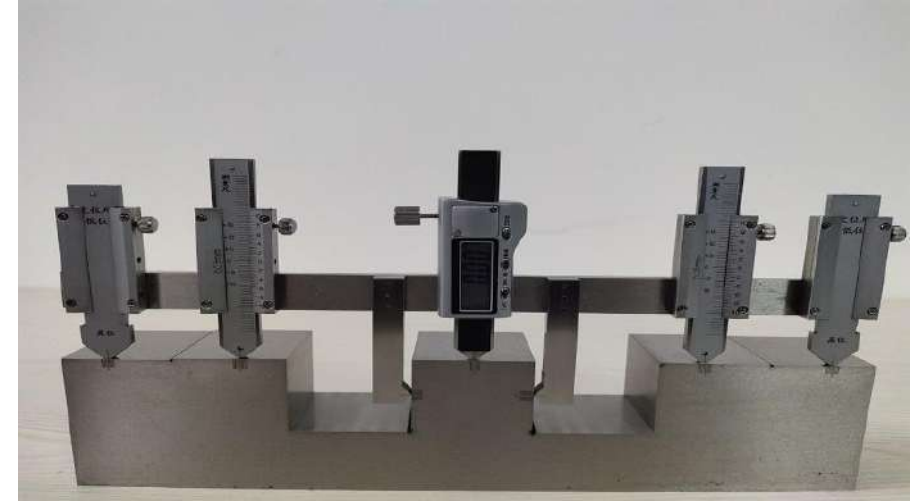
Rail Frog Wear Gauge Block

Rail frog wear gauge block is used for calibrating and measuring the rail frog wear gauge. It is made up of the E type calibration block and measuring blocks.

Model: LJ-ZC-LK



E type calibration block with the measuring Blocks



Apply for the digital gauge



Apply for the analogue gauge

Switch Rail Lateral Wear Gauge

The Switch Rail Lateral Wear is used to measure the switch rail lateral wear and the descent height value of the switch rail ,this device can be used for all types of switch rail.

unit(mm)

Model	LJ-JGCM-I
Type	1.Vertical Ruler:Digital 2.Lateral Ruler:Digital
Measure range	1.Vertical Ruler:92-193mm 2.Lateral Ruler:0-120mm
Resolution	Digital ruler:0.01mm
Calibration block	Option



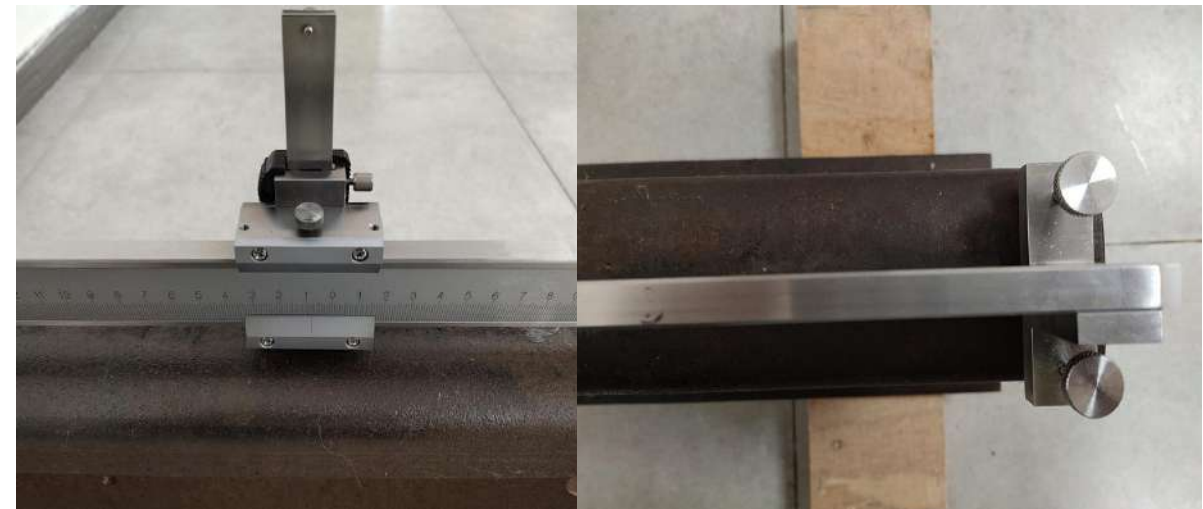
Digital Rail Corrugation Wear Gauge

This digital corrugation wear gauge is a direct reading measuring tool which is using straight vertical measurement method. It is mainly used for rail top surface and position surface corrugation wear data measurement.



unit:mm

Model	LJ-BM-A
Horizontal Measure Range	1000mm
Vertical Measure Range	-8 ~ +25mm
Accuracy	±0.05mm
Resolution	0.01mm
Repeat error	0.02mm
Working temperature	-5°C~40°C



Switch Rail Height Gauge

The Switch rail height gauge is mainly used to measure the descent height value of the switch rail relative to the running rail and point rail relative to the wing rail .

Measurement Project :

- The descent height value of the switch rail
- The descent height value of the point rail
- The height of switch roller
- The height of check rail

unit(mm)

Model	LJ-JGJD-I	Working Temperature	-10℃～ +55℃
Measurement Range	-3～30	Working Humidity	≤93%RH
Measurement Accuracy	0.1	Power Supply	Button battery (1.5V)
Screen resolution	0.01	Main Material	Stainless steel, aluminum alloy
External Dimension	270*22*180	Weight	1.45kg



Rail Opening Gauge

Rail opening gauge is mainly used for measuring turnout opening and offset gauge. Small design and convient to use for some special measuring points.

Model	JG-KC01
Type	Electronical
Opening measure range	0-350mm
Offset measure range	0-350mm
Accuracy	$\pm 0.25\text{mm}$
Customize	yes
Working temperature	$-30^{\circ}\text{C} \sim +55^{\circ}\text{C}$



Rail Inclination Device

The device is mainly for measuring rail inward incalination (cant) 1:40 or 1:20 . In order to make the top of the rail track under the wheel load with cone tread stressed uniformly ,decrease load offset, reduce rail web stress , avoid slit between rail head and rail web, the railway track shall not be laid upright for straight line

Model	JG-SO1
Power Supply Mode	Built-in lithium battery charging
Operating Voltage	3.5V ~ 4.2V
Charging Voltage	4.5V ~ 5.5V
Operating Current	40mA
Operating Temperature	-30° ~ +60°
Display	OLED
Measuring Range	±1: 10 ~ ±1: 200
Size	225*90*60mm
Weight	1.4KG



Rail L-shaped Track Ruler

L-shaped track ruler(right-angle track) is a special measuring tool used for measuring the distance between the inner side of railway track and the base mark and the height between the plane on the rail and the base mark.

unit(mm)

Model	LJ-L-I
Horizontal measurement range (distance between the inner side of rail and base mark)	different sizes: 100-1000, 100-1200, 100-1500, 100-2000
Height measurement range (distance between the plane on the rail and the base mark.)	different sizes: 100-1000, 100-1500, 100-2000
Accuracy	±1



Rail Offset Ruler

The railway offset ruler is special measuring equipment which is used for railway turnout offset distance.

Model	Measure range	Indication error
ZJC-I	100-1400mm	$\leq \pm 0.4\text{mm}$
ZJC-II	100-2000mm	$\leq \pm 0.4\text{mm}$
ZJC-III	100-2500mm	$\leq \pm 0.4\text{mm}$



Calibrator For Rail Offset Ruler

ZJQ-2-II S Measure Range	100-1290mm
ZJQ-2-II L Measure Range	100-1800mm
Indication Error	$\pm 0.1\text{mm}$
Material	Cast iron



Digital Rail Offset Ruler

The digital railway offset ruler is special measuring equipment which is used for railway turnout offset distance. and the frame size.

Model	LJ-SZJC-I
Type	Digital
Measuring Rang	100-1800mm
Indication Error	$\pm 0.4\text{mm}$
Accuracy	0.05mm
Insulation Resistance	$\geq 1\text{M}\Omega$
Weight	2.5KG
Working temperature	$-30^{\circ}\text{C} \sim +55^{\circ}\text{C}$



Railway Square Ruler (T ruler)

Railway square ruler is a special measuring tool used to check the right Angle dislocation of railway track.

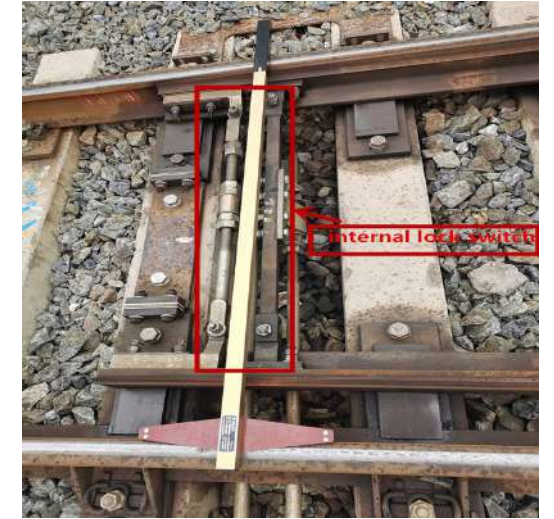
Multifunctions :

- 1.Measure the switch angle steel whether is square when installed
- 2.Measure the internal lock switch parts whether is square when installed
- 3.Measure the switch rail whether creeping
- 4.Measure the sleeper whether square when installed.

Model	Size
LJ-FG-I	1760mm
LJ-FG-II	2000mm



1



2



3



4

Contact Rail Gauge

The contact rail(third rail) gauge is for measuring the parameters of the subway contact rail . (Customized)

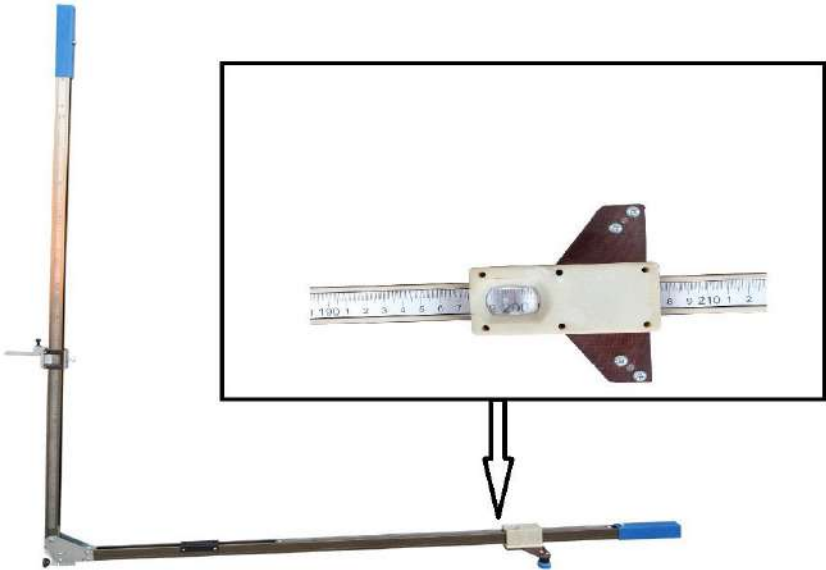
Model	Horizontal measure range	Vertical measure range	Accuracy
LJ-JCG-I	1418±25mm	100±10 mm	±0.5 mm



Platform Gauge

Platform measuring ruler is to measure the distance between the railway track center and the platform flank and the height between the rail surface and platform plane. (Customized)

Model	Horizontal measurement range	Height measurement range	Accuracy
LJ-TC-I	1500-2200mm	200-1300mm	±1mm



1 Meter Rail Straight Edge Ruler

This item is used to check track rail from any deflections before and after welding.



No groove



With groove

unit(mm)

Model	LJ-PC-1000
Measurement range	-50~+50
indication error	≤0.04
Type	1.No groove 2. With groove

Digital Rail Straight Measuring Ruler

This item is used to check track rail straightness.

unit(mm)

Model	LJ-ZD-I
Measurement range	± 5
indication error	$\leq \pm 0.06$
Measuring length	1000



Rail Feeler Gauge

Feeler is one of the measuring instruments used for inspection clearance .

Blade thickness	0.02mm, 0.03mm, 0.05mm, ,0.25mm, 0.30mm, 0.35mm ,0.40mm,0.45mm, 0.50mm, 0.55mm ,0.6mm ,0.7mm , 0.75mm, 0.8mm,0.85mm ,0.9mm, 0.95 mm,1.00mm.
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Rail Gap Ruler

Rail gap ruler use fo measuring rail gap size
Measure range: 5-30mm



Rail Feeler Gauge Gap Ruler Combination

This ruler combination include rail feeler gauge, rail gap ruler and steel ruler

Type	Measuring range
Rail Feeler Gauge	0.02mm, 0.03mm, 0.05mm, ,0.25mm, 0.30mm, 0.35mm ,0.40mm,0.45mm, 0.50mm, 0.55mm ,0.6mm ,0.7mm , 0.75mm, 0.8mm,0.85mm ,0.9mm, 0.95 mm,1.00mm.
Steel Ruler	-2~17.5cm
Rail Gap Ruler	5-30mm

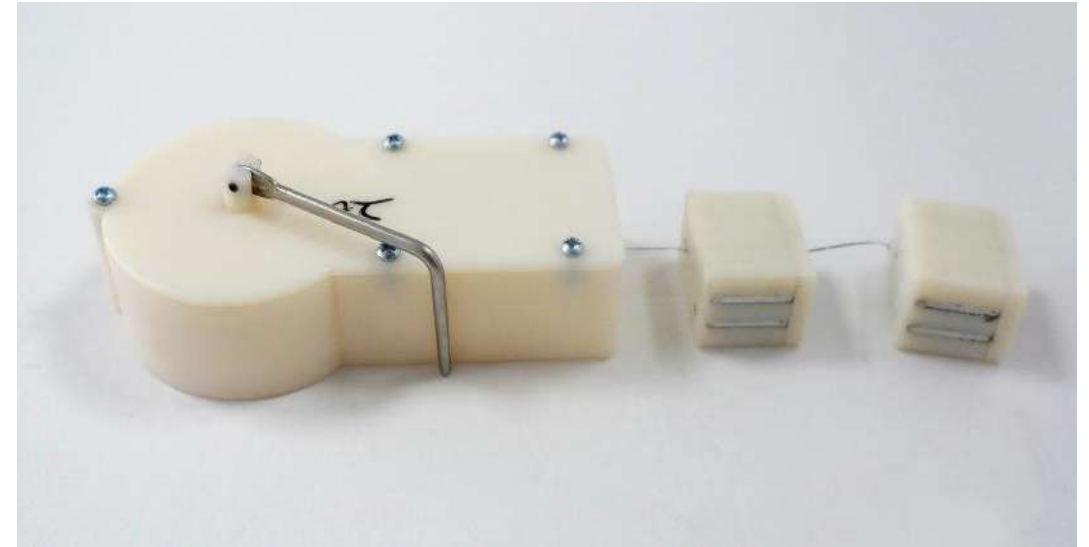


Rail Curve Measuring Tools (20M)

For easy checking and determination of versines in track track curves .

It can be used for all common rail profiles .

Magnet type . We have 20m 30m 40m 50m for choosing



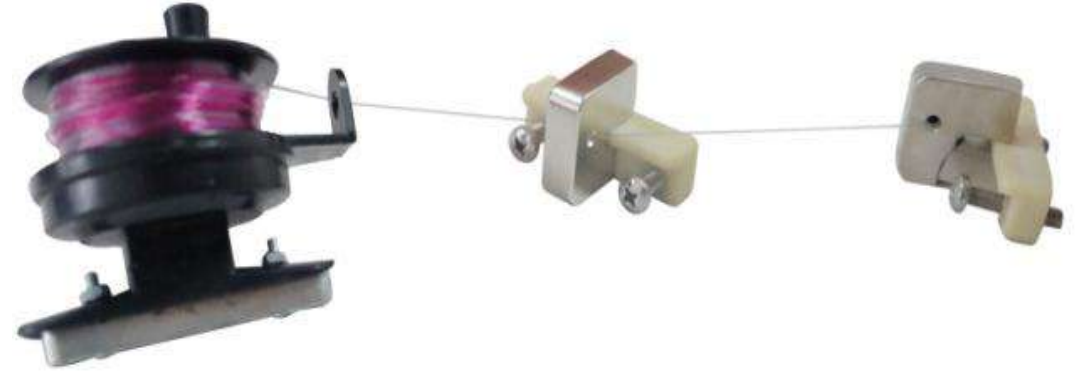
Model	Measuring Range	Weight	Dimension
ZSH-20	20m	153g	113*66*26mm



Rail Curve Measuring Tools (50M)

String line rail curve measuring tool, is also called string line box for railway curve measurement. It is a necessary tool for railway works construction. Curve positive vector measuring box is a regular work in rail line maintenance. In order to facilitate the work of the worker to complete this job, a new line curve positive vector measuring box has been development.

Model	Measuring Range	Weight	Dimension
ZSH-50	50m	210g	133*66*26mm



Laser Curve (Versine) Device

This portable device offers you a modern method to measure track level and line to aid track measurement and hand tamping operations. It is special suitable for working at night.

Model		LJ-BXJG
Measure distance		30m
Center laser spot		<10mm（at 30m）
Point range	horizontal	(-30~+50) mm
	vertical	(-30~+50) mm
Accuracy		2mm
Gross weight		1.5Kg
Battery		2000mAh (continuous using 5-6hours)



Pointer Rail Thermometer

Magnet pointer rail thermometer is used to measure the temperature of rail. rail thermometer is not only dedicated to measure the temperature of the railway rails, but also can measure the air temperature and the surface temperature of other objects.

Model	Temperature measuring range	Division value	Accuracy level
JGGW-II	-40~+70℃	1℃	1.0℃



Digital Rail Thermometer

The digital display rail thermometer adopts PT100 linear temperature sensing, the probe adopts copper embedded integrated technology, has the function of waterproof and pressure-proof and earthquake-proof, and the product is designed with a railway track digital display thermometer with power prompt and power shortage alarm function.

Model	JGGW-1
Temperature range	-60℃—+100℃
Size	108*72*25cm
Maximum permissible error	±1℃
Power	≤0.12W
Weight	≤90g



Lianjie Certificates

