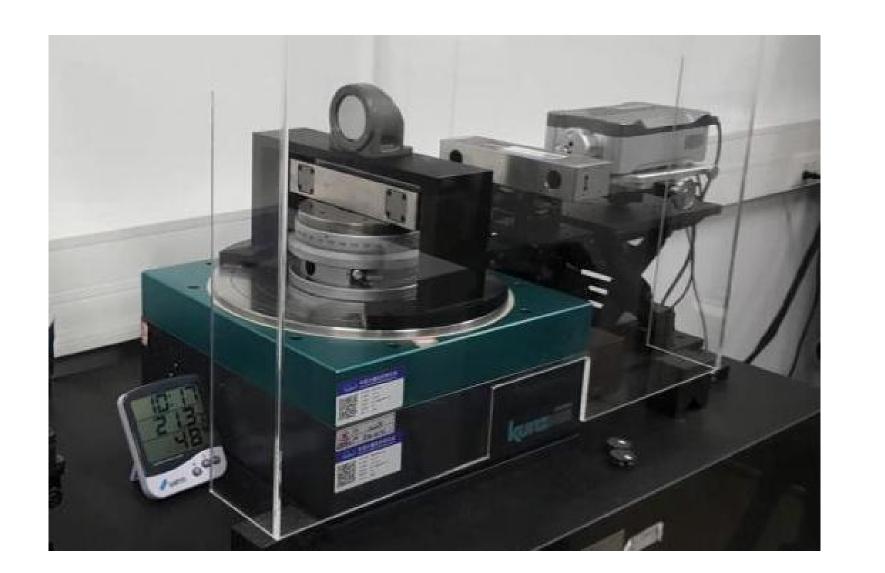
## **BWSENSING's Accuracy Traceability System**

# B#SENSING



#### H29862 Laser small Angle reference device

Structure and measuring principle of the device	转台  #反射镜  Rotary Begin 2.4反射镜  Rotary Begin 2.4反射镜  Ab-h-h  (a) 装置结构  (b) 装置测量原理  小角度基准装置结构与测量原理	
Measurement	$\theta = \arcsin\left(\frac{dh}{dh}\right)$	
model	L	
Measurable instruments	Physical standard: optical Angle gauge Measuring instrument: Autocollimator	
Indicators	Measurement range: $-5^{\circ} \sim +5^{\circ}$ Measurement uncertainty: U=0.05 "(-1°~+1°), U=0.10" (-5°~+5°),k=3	

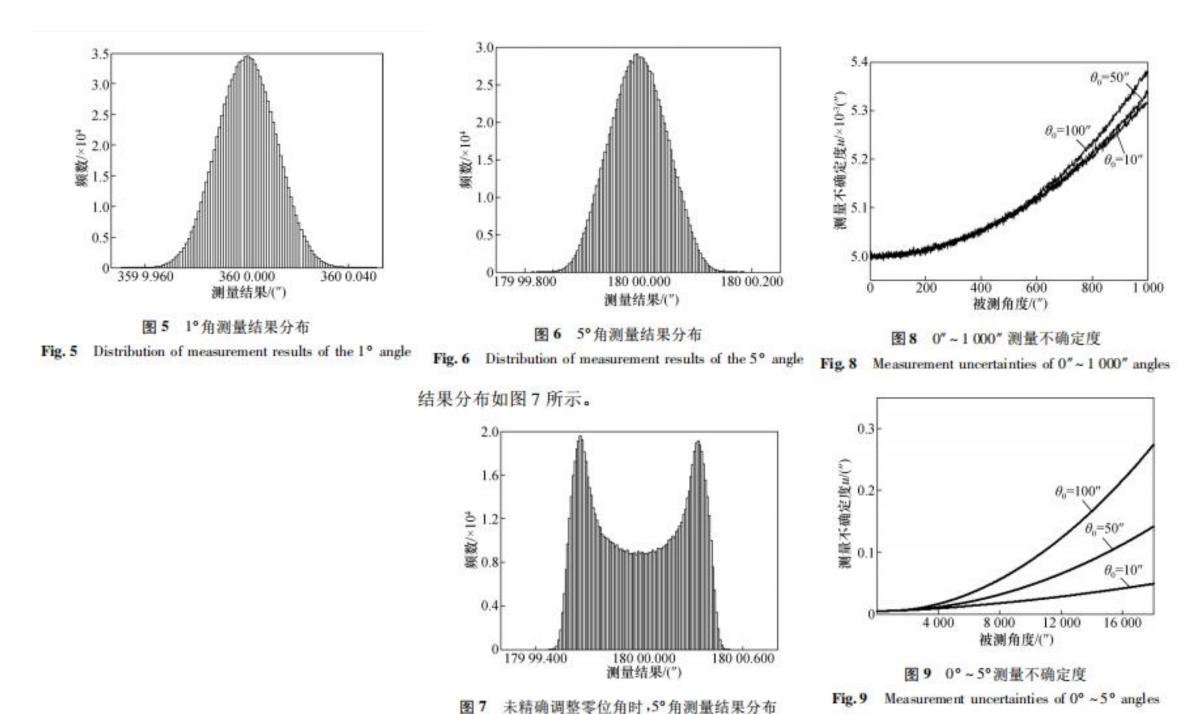


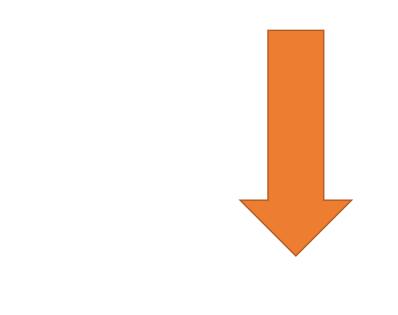
Fig. 7 Distribution of measurement results of the 5° angle when the zero-angle position is not accurately adjusted

地点: 西区11

本计量标准器具的量值可溯源至国家基准

注: 1、未经本机构书面授权,不得部分复制本证书;
Note This certificate cannot be partly copied without approval oj

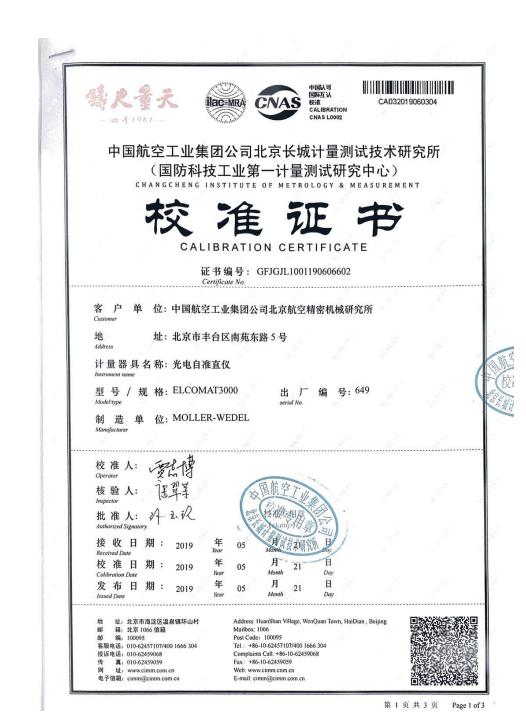
k机构经中国人民解放军总装备部认可,编号:军认可 20140040 号。



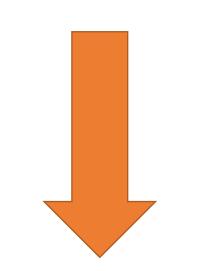




Accuracy (arcsec)	± 0.1 over any 20" range ± 0.25 over total range		
Number of measuring axes	2		
Measuring range, (X) x (Y) ( arcsec)	2000 x 2000 up to 2.5 m 1770 x 1770 at 3 m 1320 x 1320 at 4 m 1030 x 1030 at 5 m 730 x 730 at 7 m 570 x 570 at 9 m 340 x 340 at 15 m 260 x 260 at 20 m		
Acquisition (arcsec)	ca. 3600 both axes		
Resolution (arcsec)	0.005 up to 10; selectable		
Reproducibility (arcsec)	0.05		
Computer interface	RS-232 / USB		
Mains voltage	90250 V / 5060 Hz		
Scope of delivery	Autocollimation sensor, display unit, INCOLINK software interface, AC-adapter power supply, IR-remote control, RS-232 cable, USB-cable, transportation and storage box		







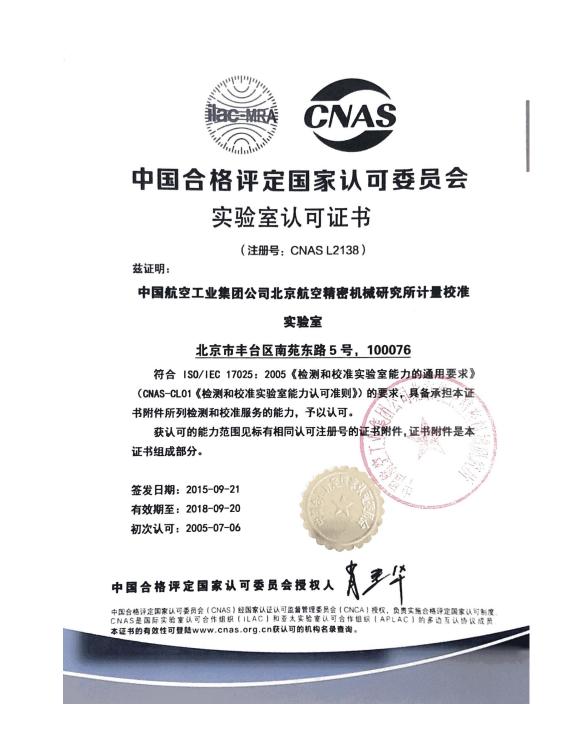






#### **AVIC SGT-320E** three-axis multi-function turntable

Inner frame position acco	+1.4"	- 0. 6"	
Medium frame position acc	+ 2. 9"	118074302	
Frame position accuracy	+ 0. 0" - 2. 6"		
Inside frame position re	±0.6"		
Mid frame position repeat	±0.8 <sup>11</sup>		
Frame position repeatabi	±0.7"		
Inner frame rate accuracy and rate stability	ω ≥10°/s	1.7 ×10 <sup>-5</sup>	8. 3 ×10 <sup>-6</sup>
	1%≤ ω <10%	$2.9 \times 10^{-5}$	1.7×10 <sup>-5</sup>
	ω <1°/s	6. 5 × 10 <sup>-3</sup>	1.2 ×10 4
Medium frame rate accuracy and rate stability	ω ≥10°/s	1.1 ×10 <sup>-5</sup>	2. 0 ×10 <sup>-8</sup>
	1 °/ s≤ ω <10°/s	3. 1 × 10 <sup>-5</sup>	2. 4 ×1 0 <sup>-5</sup>
	ω <1°/s	1.5 × 10⁴	2.6 ×10 ⁴
Frame rate accuracy and rate stability	ω ≥10°/s	3.8 × 10 <sup>-5</sup>	3. 2 ×10 <sup>-5</sup>
	1%≤ ω <10%s	2.3 ×10 <sup>-5</sup>	3. 4 ×10 <sup>-5</sup>
	ω <1°/s	6. 7 × 10 <sup>-5</sup>	7.5 ×10 <sup>-5</sup>





### **BWS5700 High Accuracy Modbus Dual-Axis Inclinometer**

Accuracy	0.001°(max)
Resolution	0.0001°
Measuring axis	X-Y
Measuring range	±15°
Power supply DC	9-35VDC
Wide operating temperature	-40°C~+85°C
Store temperature	-55°C~+100°C
Zero temperature drift	±0.0003°/°C

