



## DataSheet

Name of product: Circular Prism with polymer holder Manufacturer: Commander Group Ltd.

Model: AK111

Name/Model	Zygo Laser Interference	Total Station TC1800
Accuracy Measurement	Display resolution: 5"	/
Distance Measurement	/	Prism range: 2000m

Test location and environment condition for the test: Indoor

Location: Standard constant temperature room. Prism test temperature: 24°C

Outdoor Location: Standard Distance Test Field in Shanghai

Baosteel Co. Ltd. Results of test and additional explanation:

No.	Item	Technical Requirements
1.	Prism material	Superior quality K9 glass
2.	Prism diameter (mm)	$\varnothing 64 \pm 0.1$
3.	Accuracy	$\leq 5''$
4.	Constant/Leica offset	-34.4mm/0mm
5.	Prism Surface Quality	60/40
6.	Prism Coating	Copper Coating
7.	Main structural material	PC plastic
8.	Prism Flatness	$\lambda/10$ ( $\lambda = 632.8\text{nm}$ )
9.	Prism Bevel	$\leq 0.25\text{mm} * 45^\circ$
10.	Range	$\leq 2000\text{m}$