



Datasheet

Name of product: L-Bar prism
Model: ADS104

Main equipment for testing prisms:

Name/Model	Zygo Laser Interference	Total Station TC1800
Accuracy Measurement	Display resolution: 5"	/
Distance Measurement	/	Prism range: 3m to 800m

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 $\varnothing 25.4$	$\varnothing 25.4 \pm 0.1$
3.	Accuracy	$\leq 5''$
4	Constant	8.92mm
5.	Coating	Copper Coating
6.	Prism housing material	Aluminum alloy 6061T6 hardness ≥ 13 degrees
7.	Surface treatment	Sandblasting 100 mesh, Glass sand treatment
8.	Oxidation treatment	Black oxidation, Membrane layer thickness $> 10\mu\text{m}$
9	Aperture of support	$\varnothing 10$