NAL100 series

Automatic Level



NAL 100 Series Automatic Level

The NAL 100 Series Automatic Level is designed for surveying, engineering and construction projects where higher accuracy is needed. Various magnification model (20x,24x,28x,32x) can satisfy different survey demands.



Carrying case and different color level

Features

- Automatic leveling
- Stable air damping for compensator
- Temperature compensating (See Fig.1)

Specifications

	NAL120	NAL124	NAL128	NAL132
Standard deviation per 1km double run	±2.5mm	±2.0mm	±1.5mm	±1.0mm*
Telescope				
Image	Erect			
Magnification	20×	24×	28×	32×
Shortest focusing distance	≤0.6m	≤0.6m	≤0.8m	≤0.8m
Field of view at 100m	>3.2m	>3.2m	>2.6m	>2.6m
Multiplication constant	100	100	100	100
Additive constant	0	0	0	0
Free diameter of objective	36mm	36mm	40mm	40mm
Compensator				
Working range	≥±15′	≥±15′	≥±15′	≥±15′
Setting accuracy (standard deviation)	<0.5″	<0.5″	<0.4″	<0.4″
Circular bubble	8′/2mm			
Horizontal Circle				
Graduation	360°or 400gon			
Interval	1°or 1gon			
Adoption (Base Plate)	Flat and Dome			
Central fixing screw	W 5/8″ (55°)			
Others				
Storage temperature	-40°C to +75°C			
Operating temperature	-30°C to +50°C			
Water and dust resistance	IP55			
Weight without container	2.0kg	2.0kg	2.0kg	2.0kg

*Depending on staff and levelling technique

Illustrations, descriptions and technical specifications are not binding and may change

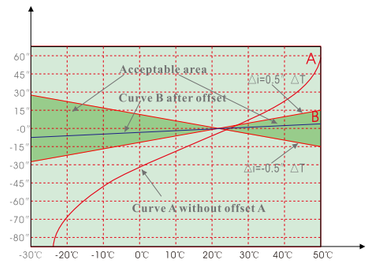


Fig.1 Theory diagram for temperature compensating of compensator

Optional Accessories



NAL100 2024.07

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