



AL100/200 series NAL100/200 series Automatic Level



NAL/AL serial Automatic Level

The AL/NAL100/200 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.

Features

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

Specifications

	NAL/AL120	NAL/AL124	NAL/AL128	NAL/AL132
	NAL/AL220	NAL/AL224	NAL/AL228	NAL/AL232
Standard deviation per 1km double run	±2.5mm	±2.0mm	±1.5mm	±1.0mm*
Telescope	Erect			
Image	Erect			
Magnification	20x	24x	28x	32x
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



Carrying case and different color level

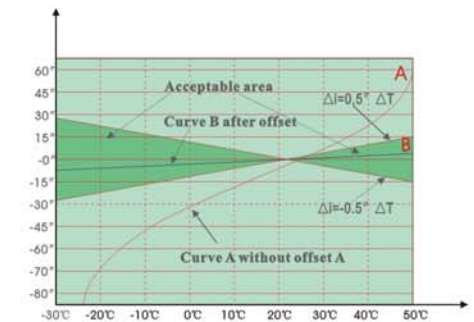


Fig. 1 Theory diagram for temperature compensating of compensator

Optional Accessories



Levelling Staff

YGL165 YGLJ165C
Tripod



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