

NL/DSZ SERIES AUTO LEVEL

NL series

- Enhanced magnetic/air damping compensator
- Excellent shockproof function with patent
- Practical dustproof & waterproof capability
- High cost performance yet durable

DSZ series for professional

- Ultra clear lens for long range observation
- Newly developed magnetic damping compensator
- Reliable performance in extreme temperature
- Excellent shockproof test performance
- Top dustproof and waterproof capability IP65





DSZ2

- 32X High-resolution telescope
- Magnetically-damped compensation
- $\pm 0.3''$ Compensator accuracy
- Wearable aluminum axis
- Outstanding protection in IP65
- * with micrometer
- Measuring Range 10mm
- Min. Graduation 0.5mm
- Estimated Reading 0.01mm
- Applied to Auto-Level DSZ2
- Net Weight 1800g



DSZ3

- 28X High-resolution telescope
- Magnetically-damped compensation
- $\pm 0.4''$ Compensator accuracy
- Standard deviation in 1.5mm
- Wearable aluminum axis
- Outstanding protection in IP65



NL-C32

- Patented air damping compensator



NL-G Series

- 32X, 28X, 24X, 20X
- Magnification damping compensator

Specification

Model	NL 20/24/28/32 G Style	NL-C32	NL-A32	DSZ2	DSZ3
Magnification	20/24/28/32 (X)	32X		32X	28X
Effective objective aperture	34/36/36/38 (mm)	40mm		45mm	40mm
Image	Erect	Erect		Erect	
Reticle	Cross reticle	Cross reticle		Cross reticle	
Field of View	1°20'(2.3m/100m)	1°20'(2.3m/100m)		1°30'(2.6m/100m)	
Minimum focus distance	0.3m	0.3m		0.6m	
Multiplication constant	100	100		100	
Additive constant	0	0		0	
Compensator Type	Magnetic damping	Air damping Magnetic damping		Magnetic damping	
Compensator range	$\pm 15'$	$\pm 15'$		$\pm 15'$	
Compensator setting time	<2s	<3s	<1s	<1s	
Compensator setting accuracy	$\pm 0.5''$	$\pm 0.3''$		$\pm 0.3''$	$\pm 0.4''$
Standard 1 km deviation	2.5/2.0/1.5/1 (mm)	1mm		1mm	1.5mm
Sensitivity of bubble	8'/2mm	8'/2mm		8'/2mm	
Circle graduation	360° or 400 gon (minimum 1° or 1 gon)	360° or 400 gon (minimum 1° or 1 gon)		360° or 400 gon (minimum 1° or 1 gon)	
Dustproof & waterproof	IP54	IP54		IP65	
Working temperature	-20°C~50°C	-20°C~50°C		-20°C~50°C	
Storage temperature	-40°C~70°C	-40°C~70°C		-40°C~70°C	
Net weight per unit	1.8kg	1.8kg	2.0kg	2.2kg	1.9kg
Package size (4 PCS/CTN)	220x420x590mm	440x320x440mm		440x320x440mm	
Gross weight (4 PCS/CTN)	11kg	10kg	12kg	15kg	14kg