

LASER THEODOLITE

DT-100L series

The all-new line of digital transits with a built-in visible diode laser that can be seen up to 50 meters away outside in daylight!

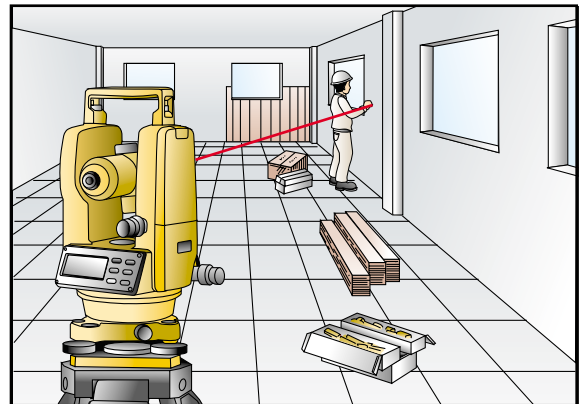
- Ideal as a transit and for vertical or horizontal alignment tasks
- Use alone or with a rod person...the laser is fully visible to the naked eye
- (3) models available 5"(102L), 7"(103L) and 10"(104L) Accuracy (DIN18723)
- Waterproof IPX-6



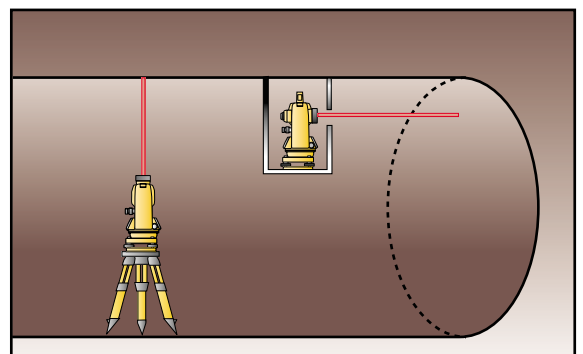
DT-104L

EASY ONE-PERSON ALIGNMENT with LASER

APPLICATION



Interior field



Construction field

SPECIFICATIONS

Name of Model	DT-102L	DT-103L	DT-104L	Name of Model	DT-102L	DT-103L	DT-104L
TELESCOPE				TILT SENSOR			
Object lens diameter	45mm	45mm	40mm	Type	A. V. Comp.	None	None
Magnification	30×	30×	26×	Range	±3'	None	None
Field of view	1°30'	1°30'	1°30'	PLUMMET TELESCOPE			
Resolving power	2.5"	2.5"	3"	Method	Optical	Optical	Optical
Illumination (Reticle)	Yes	Yes	None	Magnification	3×	3×	3×
LASER				Field of view	5°	5°	5°
Source of Laser	LD	LD	LD	Focusing range	0.5m~∞	0.5m~∞	0.5m~∞
Wave of Length	633nm	633nm	633nm	OTHERS			
Laser Class	Class 2 (II)	Class 2 (II)	Class 2 (II)	Tangent screw	1speed/Coaxial	1speed/Coaxial	1speed/Coaxial
Laser Distance (day light)	50m	50m	50m	V-axis type	Single axis	Single axis	Single axis
Laser beam diameter (When focused)				Tribrach	Detachable	Detachable	Fixed
Distance	5m	0.2mm	0.2mm	0.2mm	Instrument height	176mm	176mm
	20m	0.7mm	0.7mm	0.8mm	Weight	4.3kg	4.3kg
	50m	1.8mm	1.8mm	1.9mm	Circle rotation	Yes	None
ANG. MEASUREMENT				Plate level	40"/2mm	40"/2mm	60"/2mm
Reading method	Incremental	Incremental	Incremental	Circular level	10'/2mm	10'/2mm	10'/2mm
H-detection	2-sides	2-sides	1-sides	Power supply	4AA batteries	4AA batteries	4AA batteries
V-detection	1-side	1-side	1-side	Water protection	IPX6	IPX6	IPX6
Min. reading	5"/10"	5"/10"	10"/20"	Serial single connector	RS-232C	None	None
Accuracy	5"	7"	10"	OPERATING TIME (Dry battery)			
DISPLAY				Angle only	40 hours	50 hours	68 hours
Display panel	2 sides	2 sides	1 side	Laser only	35 hours	35 hours	35 hours
Illumination	Yes	Yes	Yes	Angle & Laser	16 hours	18 hours	20 hours
				Y2K Compliant	Yes	Yes	Yes

OPTIONAL ACCESSORIES

- Diagonal Eyepiece-13
- Trough Compass-5

• Designs and specifications herein are subject to change without notice.

Important In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.



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