

Specifications

		DT-205	DT-207	DT-209	DT-205L	DT-207L	DT-209L
Angle Measurement	Accuracy	5"	7"	9"	5"	7"	9"
	Method	Absolute reading	Absolute reading	Absolute reading	Absolute reading	Absolute reading	Absolute reading
	Detecting	Horiz.: 2 sides	Horiz.: 2 sides	Horiz.: 1 side	Horiz.: 2 sides	Horiz.: 2 sides	Horiz.: 1 side
		Vert.: 1 side	Vert.: 1 side	Vert.: 1 side	Vert.: 1 side	Vert.: 1 side	Vert.: 1 side
	Min. reading	1"/5"	5"/10"	10"/20"	1"/5"	5"/10"	10"/20"
Telescope		0.5mgon/1mgon	1mgon/2mgon	2mgon/5mgon	0.5mgon/1mgon	1mgon/2mgon	2mgon/5mgon
	Diameter circle	71mm (2.75")	71mm (2.75")	71mm (2.75")	71mm (2.75")	71mm (2.75")	71mm (2.75")
	Magnification	30x	30x	26x	30x	30x	26x
	Length	149mm (5.8")	149mm (5.8")	149mm (5.8")	152mm (5.9")	152mm (5.9")	152mm (5.9")
	Objective Lens	45mm (1.7")	45mm (1.7")	40mm (1.5")	45mm (1.7")	45mm (1.7")	40mm (1.5")
	Field of view	1°30'	1°30'	1°30'	1°30'	1°30'	1°30'
	Resolving power	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"
	Minimum focus	0.9m (2.9')	0.9m (2.9')	0.9m (2.9')	1m (3.2')	1m (3.2')	1m (3.2')
	Stadia ratio	100	100	100	100	100	100
	Stadia constant	0	0	0	0	0	0
	Sighting collimator	Double	Double	Double	Double	Double	Double
	Laser Pointer	Method	N/A	N/A	N/A	Focusing	Focusing
Wave length/Power		N/A	N/A	N/A	633nm/0.6mW	633nm/0.6mW	633nm/0.6mW
Laser class		N/A	N/A	N/A	Class II	Class II	Class II
Display	Unit	2 sides	2 sides	1 side	2 sides	2 sides	1 side
		LCD 7segments	LCD 7segments	LCD 7segments	LCD 7segments	LCD 7segments	LCD 7segments
Data output	Serial signal conn.	RS-232C	N/A	N/A	RS-232C	N/A	N/A
Illumination	Display	Yes	Yes	Yes	Yes	Yes	Yes
	Reticle	Yes	Yes	N/A	Yes	Yes	N/A
Compensator	Tilt sensor	Vertical	N/A	N/A	Vertical	N/A	N/A
	Compensating range	±3'	N/A	N/A	±3'	N/A	N/A
Optical Plummet	Magnification	3x	3x	3x	3x	3x	3x
	Field of view	3°	3°	3°	3°	3°	3°
	Focusing	0.5m~∞	0.5m~∞	0.5m~∞	0.5m~∞	0.5m~∞	0.5m~∞
Level Sensitivity	Plate level	40"/2mm	40"/2mm	60"/2mm	40"/2mm	40"/2mm	60"/2mm
	Circular level	10'/2mm	10'/2mm	10'/2mm	10'/2mm	10'/2mm	10'/2mm
Water protection	Standard	IP66	IP66	IP66	IP66	IP66	IP66
Power supply	Battery	4AA batteries	4AA batteries	4AA batteries	4AA batteries	4AA batteries	4AA batteries
Operating time	Theodolite only	140h	150h	170h	140h	150h	170h
	Laser only	N/A	N/A	N/A	80h	80h	80h
	Theodo. & laser	N/A	N/A	N/A	45h	45h	45h
Operating temp.		-68°F~+122°F	-68°F~+122°F	-68°F~+122°F	-68°F~+122°F	-68°F~+122°F	-68°F~+122°F
		(-20°C~+50°C)	(-20°C~+50°C)	(-20°C~+50°C)	(-20°C~+50°C)	(-20°C~+50°C)	(-20°C~+50°C)
Weight		9lbs (4.1kg)	9lbs (4.1kg)	7.5lbs (3.4kg)	9.25lbs (4.2kg)	9.25lbs (4.2kg)	8lbs (3.6kg)



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