

SPECIFICATIONS

Model		DT-205	DT-207	DT-209/209P	DT-205L	DT-207L	DT-209L
Telescope	Length	149mm	149mm	149mm	152mm	152mm	152mm
	Objective lens	45mm	45mm	40mm	45mm	45mm	40mm
	Magnification	30x	30x	26x	30x	30x	26x
	Field of view	1°30'	1°30'	1°30'	1°30'	1°30'	1°30'
	Resolving power	2.5"	2.5"	3"	2.5"	2.5"	3"
	Minimum focus	90cm	90cm	90cm	1m	1m	1m
	Stadia ratio	100	100	100	100	100	100
	Stadia constant	0	0	0	0	0	0
	Sighting collimator	Double	Double	Double	Double	Double	Double
	Electronic Angle Measurement	Method	Absolute Reading	Absolute Reading	Absolute Reading	Absolute Reading	Absolute Reading
Detecting		Horizontal: 2 sides	Horizontal: 2 sides	Horizontal: 1 side	Horizontal: 2 sides	Horizontal: 2 sides	Horizontal: 1 side
		Vertical: 1 side	Vertical: 1 side	Vertical: 1 side	Vertical: 1 side	Vertical: 1 side	Vertical: 1 side
Minimum Reading		1"/5"	5"/10"	10"/20"	1"/5"	5"/10"	10"/20"
		0.2mgon/1mgon	1mgon/2mgon	2mgon/5mgon	0.2mgon/1mgon	1mgon/2mgon	2mgon/5mgon
Accuracy		5"	7"	9"	5"	7"	9"
Laser Pointer	Diameter Circle	71mm	71mm	71mm	71mm	71mm	71mm
	Method	—	—	—	Focusing	Focusing	Focusing
	Wave length/Power	—	—	—	633nm/0.6mW	633nm/0.6mW	633nm/0.6mW
Display	Laser Class	—	—	—	Class 2	Class 2	Class 2
	Unit	2 sides	2 sides	1 side	2 sides	2 sides	1 side
Data Output	Serial signal connector	● (RS-232C)	—	—	● (RS-232C)	—	—
Illumination	Display	●	●	●	●	●	●
	Reticle	●	●	—	●	●	—
Compensator	Tilt sensor	● (Vertical)	—	—	● (Vertical)	—	—
	Compensating range	±3'	—	—	±3'	—	—
Optical Plummet Telescope	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 (Alk.)	Theodolite only	140h	150h	170h	140h	150h	170h
	Laser only	—	—	—	80h	80h	80h
	Theodolite and laser	—	—	—	45h	45h	45h
Operating Temp.		-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		4.1kg	4.1kg	3.4/3.8kg	4.2kg	4.2kg	3.6kg

• 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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DIGITAL THEODOLITE/LASER THEODOLITE

DT-200/200L series



LONG BATTERY LIFE 140h! (DT-200 series)

TOPCON's new DT-200 series allows more than 140h of continuous measurement in the angle mode. This long battery life will eliminate the necessity for the replacement batteries on the job.

FEATURES

WATERPROOF DIGITAL THEODOLITE

TOPCON's new DT-200 / 200L series can stand up to any "Wet-Weather" condition that can occur in the field. The benefit is that you will experience no downtime on the job due to inclement weather.

Degree of protection against water for TOPCON's new DT-200 / 200L series is based on the standard IEC60529, whose definition is "Water projected in powerful jets against the enclosure from any direction shall have no harmful effects." (IP66)



HIGH-ACCURATE MEASUREMENT WITH TILT SENSOR (DT-205/205L)

Provided with Tilt Sensor for Vertical angle correction, the DT-205/205L assures high precision measurement accuracy. The correction range is $\pm 3'$.



EASY LAYOUT WITH LASER THEODOLITE DT-200L SERIES

The all-new line of Digital Theodolite with built-in 633nm diode laser that can be seen up to 50 meters away outside in daylight.



DATA-OUTPUT VIA RS-232C PORT (DT-205/205L)

The DT-205/205L has the RS-232C Serial Signal Port, which will systemize the DT-205/205L when connecting with data collectors or computers.

COMPACT AND LIGHT WEIGHT

The DT-200 series is extremely compact in its size for easy portability, and it weighs only 4.1kg (DT-205/207), 4.2kg (DT-205L/207L).

STANDARD SET COMPONENTS



SIMPLE OPERATION

TOPCON has combined precise measurement in a functional package. The DT-200 / 200L series is so easy to operate that anyone at the site can use it without the need of any special training.

OPTIONAL ACCESSORIES

- Diagonal Eyepiece 13
- Solar Reticle
- Carrying Handle 17
- Trough Compass 5
- Optical Roof Plummet 3 (Except DT-200L)