

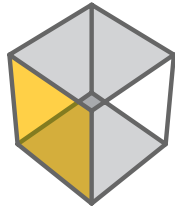
SURVEY PRODUCTS: DT-200/200L series



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DT-200/200L Series



TOPCON is proud to introduce the New Electronic Digital Theodolite DT-200/200L series which integrates the latest technology in both the electronics and optics. TOPCON's DT-200/200L series can be used in any "Wet-Weather" condition which may be encountered at the job site.

The New DT-200/200L series assures the optimum return on your investment because of its versatility and ease of use.

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.

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 $\pm 3'$.



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

The DT-205/205L has the RS-232C Serial Signal Port, which provides connection to data collectors and computers.



EASY LAYOUT WITH LASER THEODOLITE DT-200L SERIES (Class II)

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.

COMPACT AND LIGHT WEIGHT

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

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.

standard components



optional accessories

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

General Construction, surveying, Earthmoving, Mapping. No matter what type of work you do, topcon has a tool that will help you get the job done right. the first time.



HiPer+
GPS+
receiver



GPT-6000
Total
Station



System 5
3D Control Box



DL-100 Series
Electronic Digital
Levels



FC-1000
Data Collector



Legacy Series
GPS+
Receiver



RL-H2Sa
Dual Slope
Laser

SPECIFICATIONS

Model		DT-205	DT-207	DT-209	DT-205L	DT-207L	DT-209L
Telescope	Length	149mm	149mm	149mm	152mm	152mm	152mm
	Objective lens	45mm	45mm	40mm	45mm	45mm	40mm
	Magnification	30×	30×	26×	30×	30×	26×
	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 Vertical: 1 side	Horizontal: 2 sides Vertical: 1 side	Horizontal: 1 side Vertical: 1 side	Horizontal: 2 sides Vertical: 1 side	Horizontal: 2 sides Vertical: 1 side	Horizontal: 1 side Vertical: 1 side
Minimum Reading		1"/5"	5"/10"	10"/20"	1"/5"	5"/10"	10"/20"
Accuracy		0.2mgon/1mgon	1mgon/2mgon	2mgon/5mgon	0.2mgon/1mgon	1mgon/2mgon	2mgon/5mgon
Diameter Circle		71mm	71mm	71mm	71mm	71mm	71mm
Laser Pointer		Method	—	—	—	Focusing	Focusing
	Wave length/Power	—	—	—	633nm/0.6mW	633nm/0.6mW	633nm/0.6mW
	Laser Class	—	—	—	Class II	Class II	Class II
Display	Unit	2 sides LCD 7segments	2 sides LCD 7segments	1 side LCD 7segments	2 sides LCD 7segments	2 sides LCD 7segments	1side LCD 7segments
	Serial signal connector	●(RS-232C)	—	—	●(RS-232C)	—	—
Illumination	Display	●	●	●	●	●	●
	Reticle	●	●	—	●	●	—
Compensator	Tilt sensor	●(Vertical)	—	—	●(Vertical)	—	—
	Compensating range	±3'	—	—	±3'	—	—
Optical Plummet Telescope	Magnification	3×	3×	3×	3×	3×	3×
	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	3.4kg	4.2kg	4.2kg	3.6kg

For more info on these or any other
Topcon product log onto:
www.topcon.com



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