



OPTICAL THEODOLITES

Sokkia's proven optical theodolites give you perfect freedom from battery or AC electric power sources.

TM1A

- A top-of-the-line, one-second precision theodolite for first-class surveying.
- The built-in micrometer gives 1" (0.1mgon) direct reading and estimation to 0.1" (0.01mgon).
- Circle graduations are displayed by a special co-incident image projection method, which eliminates circle eccentricity error.



TM20E

- Reliable 20" (5mgon) reading theodolite.
- TM20E is fitted with a 40"/2mm telescope level for precision leveling.
- Extra lightweight: weighs only 4.0kg (8.8 lb.) for maximum mobility.



TM6

- Ruggedly constructed 6" (2mgon) reading theodolite with easy-to-read digital micrometer.
- Vertical circle compensator is equipped for precision angle measurement.



T60E

- Affordable 1' (10mgon) scale-reading theodolite with horizontal circle estimation to 20" (5mgon).
- T60E is equipped with a vertical circle compensator with magnetic damping system.



Optical Theodolites Specifications

	TM1A	TM6	TM20E	T60E
Telescope Magnification	30x			
Angle Reading Method	Micrometer, Diametrical Projection		Micrometer	Scale
Direct Angle Reading	1" (0.1mgon)	6" (2mgon)	20" (5mgon)	1' (10mgon)
Angle Estimation	0.1" (0.01mgon)	3" (1mgon)	10" (2.5mgon)	20" (5mgon)
Vertical Compensator	Provided		—	Provided
Sensitivity of Level	20" / 2mm	30" / 2mm	40" / 2mm	30" / 2mm
Sensitivity of Telescope Level	—		40" / 2mm	—
Standing Axis	Single		Double	
Weight	6.1kg (13.4 lb.)	5.3kg (11.6 lb.)	4.0kg (8.8 lb.)	