

Electronic Total Station

CTS Series

- Optical Excellence
- Powerful On-board Software
- Dual-Large LCD Display
- Easy to Use
- 15,000 Points Internal Memory
- Range Up to 5249-ft (1600m) with Single Prism
- 2-Sec and 5-Sec Accuracy available



CST/berger

No One Measures Up... Worldwide

CTS-SERIES

Electronic Total Station

Easy-to-Use. Reliable. Affordable.

Superior Optics (30X magnification)

Applications

- Surveying and Construction
- Mapping and GIS
- Utilities
- Environmental Studies
- Geomarking

Easy-to-target collimator

Large dual-sided graphic display & alphanumeric keyboard

Alpha/Numeric key pad

Data upload and data-transfer through RS-232 data port

Standard Configuration

Includes:

- Battery Pack (2)
- Battery Charger
- Plumb Bob
- A set of tools
- Rain Cover
- Carrying Case
- Software and Cable
- Instruction Manual



Technical Specifications

Telescope

Magnification	30 x
Resolving Power	4.0"
Field of View	1° 30'
Minimum Focus	4.92-ft (1.5m)

Distance Measurement

Measurement Range (Good condition)	
1 Prism	Up to 5249 ft 1,600m
3 Prism	Up to 8202 ft 2,500m

EDM Accuracy ±(2+2ppm x D) mm

Measuring time (minimum count)

Precise	1.8 sec. (initial 2.5 sec.)
Normal	1.0 sec. (initial 2.5 sec.)
Track	0.4 sec. (initial 1.5 sec.)

Angle measurement

Reading System	Incremental
Horizontal Angle	Diametrical
Vertical Angle	Single
Minimum count	1" / 5"
Angular Accuracy	CST-02 2" CST-05 5"

Tilt Sensor Single axis

Plummet Optical

Base Detachable

Environment Water-Resistant

Ambient Temperature -4°F ~122°F / -20°C ~ +50°C
(Working range)

Tripod thread 5/8-11

Dimensions/Weight

Instrument 6.4(W) x 13.5(H) x 7.75(L) in
163(W) x 343(H) x 197(L) mm

Weight (incl. Battery) 14 lb. (6.3 kg)

Carrying case 10.0(W) x 15.0(H) x 18.75(L) in/5.7lb
254(W) x 381(H) x 476(L) mm/2.6kg

Internal Memory

Coordinates Data 15,000 points
(Measured and input coordinate data)

Note:

- * The measurement range may vary by measurement conditions.
- Average conditions: 65,616-ft (20km) visibility with slight shimmer.
- Good conditions: 131,233-ft (40km) visibility, overcast, no heat, no shimmer and moderate wind
- * EDM Measuring time varies according to distance to be measured and conditions of the environment.

Packages Available

56-CTS02 2-Second Total Station

56-CTS05 5-Second Total Station

Available at your local CST/berger dealer.

CST/berger

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