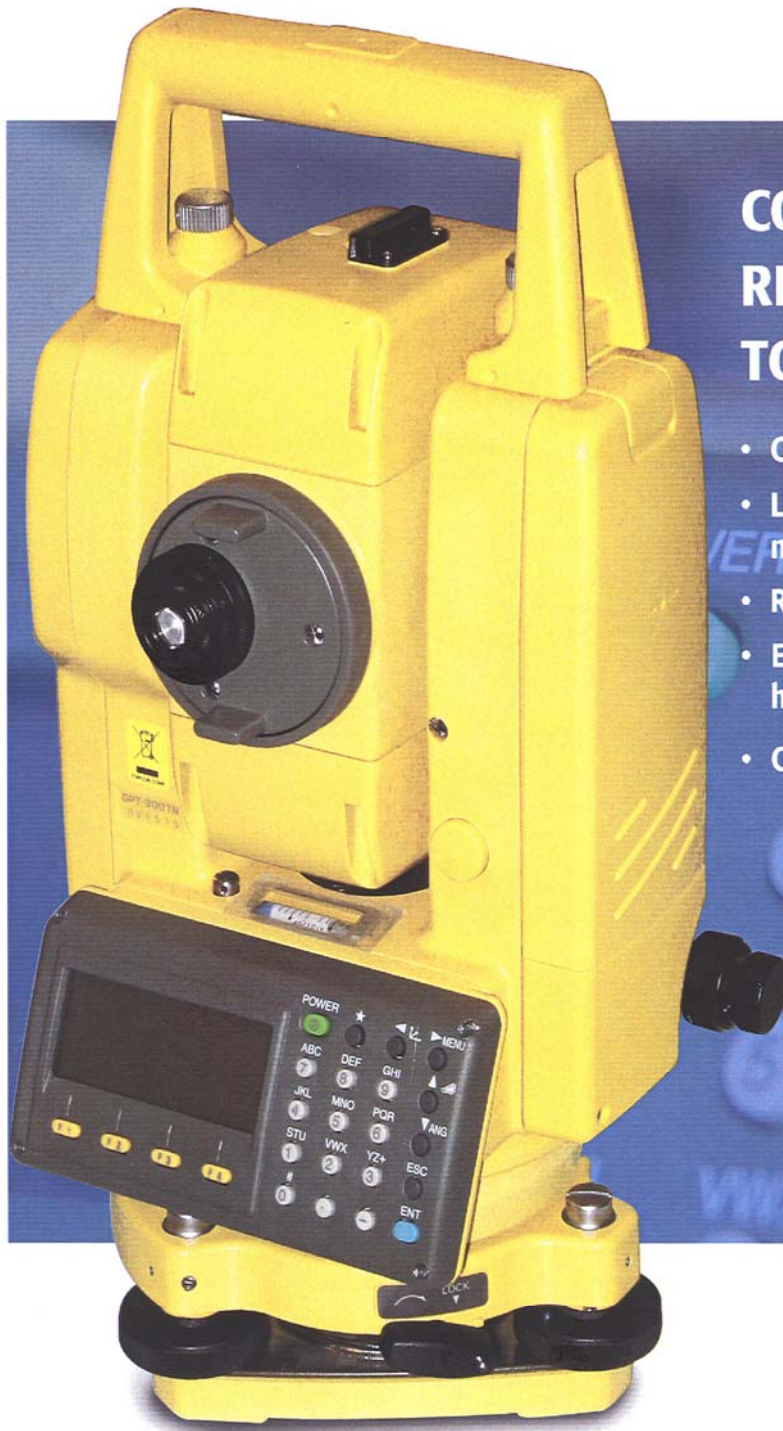


CTS-3000
Contractors Total Station

 **TOPCON**



CONTRACTORS REFLECTORLESS TOTAL STATION

- CTS - Contractors Total Station
- Layout and offset measurement made easy
- Reflectorless measurement to 250m
- Easy on-board software or use with hand-held collector
- Class 1, eye-safe laser

CTS-3000



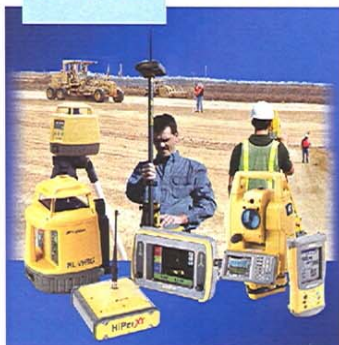
The new CTS series from Topcon ushers in a new standard for the construction professional: A measurement instrument that is geared for the construction site and the operators that use it.

Based upon Topcon's proven technology, the CTS series of products will be top performers in the field. The extended keyboard and easy onboard software will make the layout challenges you face much more manageable.



The pinpoint reflectorless measurement function will increase the productivity and flexibility of your measurements. Use a prism or not, it's up to you. Utilize the CTS series to help you keep control on the job site. Replace lost or disturbed stakes, or use it to make spot measurements for elevations.

COMPLETE POSITIONING PRODUCT SOLUTIONS



Topcon provides the world's most complete line of positioning products. Whether it's surveying, design, layout, earthmoving, land leveling, mining, alignment, monitoring, or any other high-precision positioning application, Topcon offers Lasers, GPS+, Equipment Automation, Optical products, and Software built for the task. Visit us on the web at www.topcon.com to find the Topcon product that's right for you.



www.topcon.com

800 • 443 • 4567 925 • 245 • 8300

Specifications subject to change without notice

© 2006 Topcon Corporation All rights reserved.

P/N: 7010-XXXX Rev. Prelim Printed in U.S.A. 01/06

SPECIFICATIONS CTS-3000

Telescope

Length	150mm
Objective Lanes Diameter	45mm (EDM 50mm)
Magnification	30x
Image	Erect
Field of View	1°30'
Resolve Power	2.8"
Min. Focus Distance	1.3m

Measurement Range

Prism Mode (1 Prism)	3,000m
Non-Prism Mode	1.5 to 250m (5 to 820 ft)

Measurement Accuracy

Prism Mode	±(3mm +2ppm x D) m.s.e
Non-Prism Mode	"1.5-25m (5-82 ft) ±(10mm) m.s.e 25m (82 ft)- ±(5mm) m.s.e"

Measurement Time

Prism Mode	1.2 sec.
Non-Prism Mode	1.2 sec.

Angle Measurement

Accuracy	5", 7"
Minimum Reading	CTS-3005: 5"/1" CTS-3007: 10"/5"
Method	Absolute reading
Detection	H: CTS-3005 2side CTS-3007 1side V: 1side
Diameter of Circle	71mm

Tilt Correction

Type	Liquid type: Dual (CTS-3005) Liquid type: Single (CTS-3007)
Compensating Range	±3'
Correction Unit	1"

Computer Unit

Memory	MAX 24,000 points
Display	Single Display
Interface	RS-232C

Environmental

Circular Level Sensitivity	10"/2mm
Plate Level Sensitivity	CTS-3005: 30"/2mm CTS-3007: 40"/2mm
Plummet	Optical Plummet
Laser Pointer	YES
Dimensions (HxWxL)	336 x 184 x 172mm (13.2 x 7.2 x 6.8 in)
Instruction Weight (with Battery)	5.3kg (11.6 lbs)
Case Weight	3.4kg (7.5lbs)
Protection against water and dust	IP66
Operating Temperature	-20°C to +50°C (-4°F to +122°F)

Power

Source	Ni-MH
Output Voltage	7.2V
Capacity	2,700mAh
Approximate Battery Life	4.2h