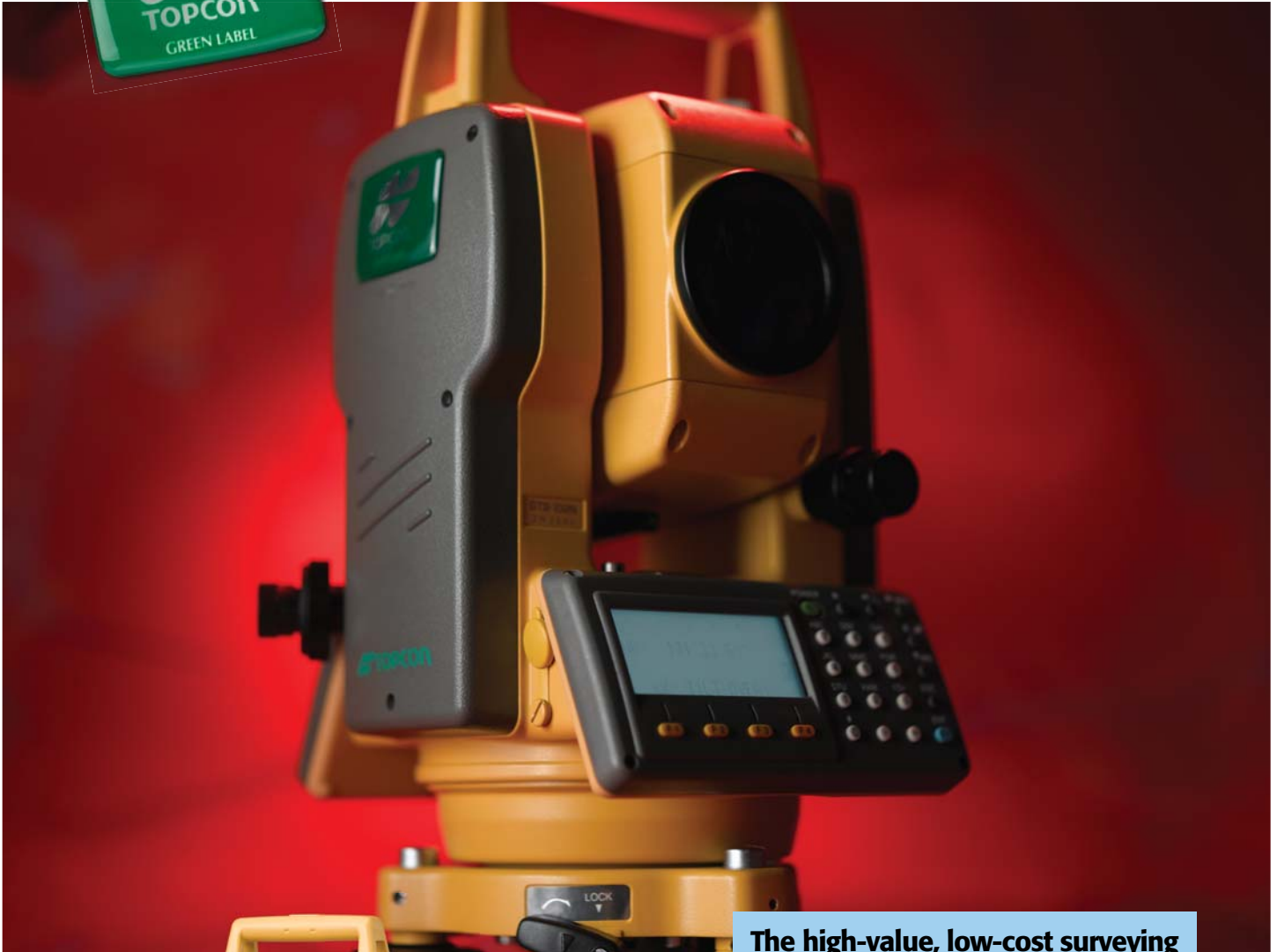




## CONSTRUCTION TOTAL STATIONS



**The high-value, low-cost surveying instrument designed specifically for construction and forensics**



- ECONOMICAL, VALUE-PRICED MEASURING SOLUTION
- RUGGED, DURABLE, WATERPROOF DESIGN
- TWO ACCURACIES TO CHOOSE FROM: 2" & 5"
- EXPANDED, FULL NUMERIC KEYPAD
- ON-BOARD PROGRAMS & 24,000 POINT DATA STORAGE
- IDEAL AS A CONSTRUCTION STAKEOUT TOTAL STATION
- PERFECT WHEN COMBINED WITH FC FIELD CONTROLLER AND SOFTWARE

# It's time.

Introducing the economical layout solution that puts the power of high-end layout in the hands of construction and law enforcement professionals, Topcon's GTS-100N Series.

Nobody knows optical instruments better than Topcon. With 75 years of experience developing and manufacturing the world's most advanced construction instrumentation, from the world's first Total Station to the world's first Windows® based Total Station, professionals worldwide put their trust in Topcon everyday.

## Construction

Construction professionals are looking for ways to do more of their own layout tasks simply and easily, removing the aggravation of relying on others. That's why Topcon introduced the GTS-100N. Featuring an expanded, full numeric keypad and intuitive on-board software, contractors and grade setters can re-set stakes, check grade, topo, and perform basic layout. Use the on-board software or any of Topcon's field controllers running one of our software suites perfectly tailored to your tasks.

## Forensics

Accuracy and reliability of accident and crime scene investigation information is paramount. In many cases the pressures of gathering information quickly and returning the area to normal use is important, especially in accident situations on busy streets and roadways. With Topcon's GTS-100N you're assured. The GTS-100N is packaged with everything you need, and its ease of operation is second to none. Set-up the instrument, record your points on the unit or using any one of Topcon's Field Controllers, and pack up. It's that simple.

No matter what environment it's working in, the GTS-100N is built for rugged environments. Waterproof and dustproof, it will keep going when other less durable instruments fail. Get your next job done on your terms, and for less than you thought possible.

## Green Label

Topcon is pleased to introduce Green Label. Green Label represents Topcon's commitment to supplying surveying, construction, and law enforcement with the world's most cost effective, high quality positioning products. It's through Topcon's continued investment in state-of-the-art global engineering and manufacturing that Green Label is made possible. Green Label, the start of the next Topcon revolution.

**Topcon. It's time.**



**GTS-100N Series**  
Construction Total Stations

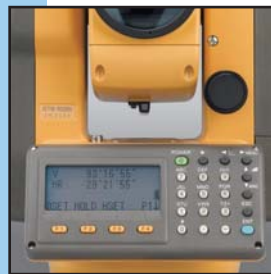


## High-end features and simple operation, versatile and reliable, Topcon's GTS-100N is ready for your next job...



### Two accuracies to choose from

The GTS-100N Series is available in a 2" and 5" model. Both support 30x magnification and can store up to 24,000 points in internal memory in addition to Topcon's onboard software.



### Expanded, full numeric keypad

The GTS-100N provides an expanded numeric keypad for simple, sure input of points and layout information including calculations. Backlit LCD and user definable display parameters also standard.



### Jobsite tough

The GTS-100N provides Topcon's exacting standards for accuracy and advanced technology in a light, compact package that is built specifically for the rigors of an active jobsite. Waterproof and dustproof, it's ready to work when you need it, not just when environmental conditions are right!

## Compatible with Topcon's FC Series Field Controllers

**FC-100** - Windows® CE based, wireless, color touch screen Field Controller

- USB type B
- Easy access Compact Flash AND SD Media card slots
- Powerful 400MHz Intel Xscale processor standard
- Now available with 128Mb or 256Mb built-in ROM
- Windows® CE.NET graphical operating system
- Ultra-bright, TFT sunlight-active, color touch screen display
- Wireless connectivity to new Topcon GPS & W-series total stations
- Compact size fits in the palm of your hand!
- Rugged, shock absorbing housing and environment repelling
- Replaceable Li-Ion battery provides 20 hours continuous operation



**The GTS-100N Series: Topcon's economical, value priced measuring solution in a rugged, durable, waterproof package.**



- FC-200** - Topcon's latest 520 MHz Intel Xscale processor, Windows CE.Net based, Bluetooth wireless technology Field Controller
- Optional snap in RS-1 2.4 GHz radio module
  - Two memory options; 256MB or 512MB
  - 520 MHz Intel XScale Processor
  - SD and CF card slots
  - USB type A and B
  - Internal Bluetooth™ technology
  - Removable, Rechargeable Lithium-Ion camcorder battery
  - WiFi connectivity (option)



**GTS-100N package includes:**

- Instrument
- Battery charger
- Plumb bob
- Lint-free cloth
- Manual
- Warranty card
- Hard shell carrying case



## The Leader in Positioning Technology...

Topcon offers positioning products that deliver unparalleled site-wide performance and integration. Topcon's history of technological advances and our reputation for superior reliability means there's no other company positioned to provide you with a better "Total Positioning Solution."

From inception to completion, Topcon and the 170+ distributors of our products throughout North and South America provide innovative technology and solutions to our customers. The competitive edge and increase of profit and productivity are paramount to the success of Topcon and our customers. Helping to lower operational costs and enhance job safety are additional benefits to implementing Topcon technology.

Full positioning integration field-to-finish: That's the goal of Topcon. When it's time for you to step up to the next level, it's time to turn to Topcon.

## The Leader in Customer Satisfaction...

To ensure that your Topcon product maintains peak performance, your local Topcon dealer offers factory trained and certified service personnel. A nationwide network of factory authorized service centers, supports all Topcon products.

### Offices Worldwide

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Specifications subject to change without notice

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P/N: 7010-0794 Rev. A Printed in U.S.A. 01/07

## Basic Specifications

### TELESCOPE

Length	150mm
Objective lens diameter	45mm (EDM:50mm)
Magnification	30x
Resolving power	3"
Minimum focusing distance	1.3m

### DISTANCE MEASUREMENT

1 prism	2,000m
3 prism	2,700m
Accuracy	±(2mm + 2ppm x D)m.s.e.
Measuring time	
Fine mode	1mm: 1.2sec. (Initial 4sec.) 0.2mm: 2.8sec. (Initial 5sec.)
Coarse mode	0.7sec. (Initial 3sec.)
Tracking mode	0.4sec. (Initial 3sec.)

### TILT CORRECTION

Tilt sensor	Single axis
Method	Liquid type
Compensating range	±3'
Correction unit	1"

### DISPLAY

Display Unit	2 side
Display Type	Dot Matrix Graphic LCD (160x64dot)
Keyboard	24keys

### BATTERY LIFE

Angle & distance measurement	9h
Angle measurement only	40h

### OTHERS

Serial Signal Connection	Yes
Bluetooth	No
Environmental Protection	IP54
Internal Data memory	24,000 pts
Ambient temperature range	-20°C to +50°C (-4°F to +122°F)
Point Guide	No
Plummet	Optical Only



## The Leader in Positioning Technology...

### CTS-3000 - Reflectorless Construction Total Station solution

The CTS-3000 series features onboard software that simplifies staking. An extended keyboard enables easy operation and data input, or use a Topcon FC Series hand-held data collector. Reflectorless measurement capabilities up to 250m (820 ft.) and prism range of 3,000m (9,842 ft.) will cover your largest job sites.

#### Topcon Software

**Pocket Layout** – perfect for staking, setting points, and topos. Easy to use and powerful, Pocket Layout is a perfect fit for the GTS-100N and CTS-3000.

**TopSURV** – a multitude of features and functionality including a module designed specifically for contractor's needs. Modular design lets you purchase a software that suits your needs today...but can be expanded to grow with your jobs of tomorrow.

**Topcon Link** – easily sync your PC to any Topcon Total Station or GPS product and download data for quick and easy plan updates or modifications.

Your local Authorized Topcon dealer is: