



# LEWIS & LEWIS ENTERPRISES

1600 CALLENS ROAD  
P. O. BOX 1328 - VENTURA, CA 93002-1328  
TELEPHONE (805) 644-7405

FAX (805) 644-5780 Toll Free (800) 342-3607 or (800) 235-3377 email: [sales@lewis-lewis.net](mailto:sales@lewis-lewis.net) web site: [www.lewis-lewis.net](http://www.lewis-lewis.net)  
SAN DIEGO: 540 S. Andreasen Dr. Escondido, CA 92029 (760) 747-8823 FAX (760) 480-5778 email: [jimp@lewis-lewis.net](mailto:jimp@lewis-lewis.net)

*October 1, 2011*



*Lewy Lewis & the News*



## **NEW Topcon GTS-240W series**

***“SPECIAL” While Supply Lasts  
FREE Tripod, Prism and Prism Pole***



**GTS-240 Series**

**Best Value  
Total Stations**

## **The Best Value Total Stations Offering Unparalleled Dependability and Functionality**

### **Ideal Tool for Day-to-Day Survey and Layout Tasks**

The GTS-240NW series provides unmatched performance and dependability backed by Topcon's industry-leading technologies. Its IP66 dust/water protection and 2.5" telescope resolving power lead the industry in its class.. The GTS-240NW series of total stations offer every function needed for day-to-day tasks that include the Bluetooth wireless connectivity, the point guide that speeds up stakeout tasks, the laser plummet for quick instrument setup, and many functions.

***Lewis & Lewis Enterprises***

## Features:

- 24-key Alphanumeric Keyboard
- TopField and Road Onboard Software
- 2.5" Highest Telescope Resolving Power
- Point Guide for Stakeout/Layout
- Laser Plummet for Quick Setup
- Bluetooth® Wireless Connectivity
- IP66 Dust and Water Protection
- 10-Hour Operation per Battery

### TopField / Road Software with Alphanumeric Keyboard

The onboard "TopField" and "Road" software dramatically increases efficiency in topo data collection, construction layout, as well as road stakeout tasks. The 24-key alphanumeric keyboard allows for quick inputting of point numbers, codes, attributes, and other necessary data.

### Choice of Styles – Onboard Software or Field Controller

With the enhanced functionality, the GTS-240NW allows for data collection and layout works without using an external controller or PC. For the users who prefer to use a field controller, the GTS-240NW provides a Bluetooth capability for a convenient cableless connection.

<u>Part #</u>	<u>Model</u>	<u>Accuracy</u>	<u>Mfg. List</u>	<u>L&amp;L Price</u>
60978	GTS-243NW	3 sec.	\$8,490.00	<b>Call or Email for current Discounts and Specials Toll Free (800) 235-3377 Email: <a href="mailto:sales@lewis-lewis.net">sales@lewis-lewis.net</a></b>
60979	GTS-245NW	5 sec.	\$7,490.00	
60980	GTS-246NW	6 sec.	\$6,490.00	
60981	GTS-249NW	9 sec.	\$5,890.00	

## GTS-240W Specifications

TELESCOPE	
<b>Length</b>	150mm (5.9 in.)
<b>Objective Lens Dia.</b>	45mm (1.77 in.), EDM 50mm (1.97 in.)
<b>Magnification</b>	30x
<b>Image</b>	Erect
<b>Field of View</b>	1°30'
<b>Resolving Power</b>	2.8"
<b>Minimum Focus Distance</b>	1.3m (4.27 ft.)
DISTANCE MEASUREMENT	
<b>Measuring Range</b>	<p><b>GPT-243NW, GPT-245NW and GPT-246NW</b>                      Mini prism 1,000m (3,300 ft.) / -                      1 prism 3,000m (9,900 ft.) / 3,500m (11,500 ft.)                      3 prisms 4,000m (13,200 ft.) / 4,700m (15,400 ft.)</p> <p><b>GPT-249NW</b>                      Mini prism 900m (3,000 ft.) / -                      1 prism 2,000m (6,600 ft.) / 2,300m (7,500 ft.)                      3 prisms 2,700m (8,900 ft.) / 4,700m (10,200 ft.)</p>
<b>Measuring Accuracy</b>	<p><b>GPT-243NW, GPT-245NW and GPT-246NW</b>                      ±(2mm + 2ppm x D)m.s.e.</p> <p><b>GPT-249NW</b>                      ±(3mm + 3ppm x D)m.s.e.</p>
<b>Measuring time</b>	Fine mode 1mm (0.005 ft.) 1.2s (Initial 4.0s) Fine mode 0.2mm (0.001 ft.) 2.8s (Initial 5.0s) Coarse mode 1mm/10mm (0.005/0.02 ft.) 0.7s (Initial 3.0s)
ANGLE MEASUREMENT	
<b>Method</b>	Absolute Reading
<b>Detecting System</b>	<p><b>GPT-243NW and GPT-245NW</b>                      H: 2 sides V: 1 side</p> <p><b>GPT-246NW and GPT-249NW</b>                      H: 1 side V: 1 side</p>
<b>Minimum Reading</b>	<p><b>GPT-243NW, GPT-245NW and GPT-246NW</b>                      1" / 5" (0.2mgon/1mgon)</p> <p><b>GPT-249NW</b>                      5" / 10" (1/2mgon)</p>
<b>Accuracy</b>	<p><b>GPT-243NW</b> 3" (1mgon)  <b>GPT-245NW</b> 5" (1.5mgon)  <b>GPT-246NW</b> 6" (1.8mgon)  <b>GPT-249NW</b> 9" (2.7mgon)</p>
<b>Diameter of Circle</b>	71mm (2.8 in.)

<b>DISPLAY/KEYBOARD</b>	
<b>Display</b>	Graphics LCD 160 x 64 Dots with backlight, 20 characters x 4 lines
<b>Keyboard</b>	Alphanumeric, 24 keys
<b>TILT CORRECTION</b>	
<b>Tilt Sensor</b>	<b>GPT-243NW, GPT-245NW and GPT-246NW</b> Dual axis <b>GPT-249NW</b> Single axis
<b>Method</b>	Liquid type
<b>Compensating Range</b>	±3'
<b>Correction Unit</b>	1" (0.1mgon)
<b>OTHERS</b>	
<b>Plummet</b>	Laser Plummet (Red Laser Diode, Wavelength 633nm, Class 2 laser)
<b>Internal Memory</b>	Max. 24,000 points
<b>Interface</b>	RS-232C / Bluetooth
<b>Instrument Height</b>	176mm (6.93in.)
<b>Laser Class</b>	Class I/1M (EDM), Class 2 (Laser Pointer/Laser Plummet)
<b>Circular Level Sensitivity</b>	10"/2mm
<b>Plate Level Sensitivity</b>	<b>GPT-243NW and GPT-245NW</b> 30"/2mm <b>GPT-246NW and GPT-249NW</b> 40"/2mm
<b>Dimension</b>	336(H) x 184(W) x 172(L) mm (13.2(H) x 7.2(W) x 6.8(L) in.)
<b>Weight</b>	Instrument (with battery) 4.9kg (10.8 lbs) Plastic Carrying Case 3.4kg (7.5 lbs)
<b>Dust and Water Protection (IEC 60529)</b>	IP66 (with BT-52QA installed)
<b>Operating Temperature</b>	-20°C to +50°C (-4°F to +122°F)
<b>Battery BT-52QA Operating Time</b>	Distance and Angle Measurement-About 10 hrs / About 8.5 hrs w/Bluetooth connection Angle Measurement Only-About 45 hrs