



# 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 "QS" Quick Station series**

***"SPECIALS" through December 31, 2011***

***Robotic Systems – Instrument & Controller/RC-4 Robotic kit.***

***AND... New "3" Three Year Warranty***



**QS Series**

**Quick Station Robotic  
Total Station**

Superior Technology, Design, Performance and Value

### **The QS Series Quick Station**

Jobsite demands are constantly changing. Adopting and utilizing the very best technology innovations for your business enables you to increase your productivity and profitability like never before.

Robotic instrument technology and the significant performance advantages it can offer have changed the way topography and layout tasks are completed worldwide. Through Topcon's leadership and experience in optical instrumentation that spans more than 70 years, we have the know-how to design and build the very best robotics systems available. Topcon is now on its 8th generation of robotic instrument technology.

***Lewis & Lewis Enterprises***

With a modern, cable-free design, the QS Series offers the most advanced robotic technology available. The QS Series Robotic System features sophisticated technology unique to Topcon. Our one-touch Quick Lock feature that set the standard in robotic target acquisition has taken another step forward with X-TRAC 8, a superior technology solution for strong tracking and quick re-acquisition in challenging environments.

Available in 1, 3, and 5 second angle accuracies, you can select the instrument that best fits your requirements. All QS Series Robotic Systems offer reflectorless measurement superior to any other instrument available - capable of precision measurements at a mind-boggling 6,500 ft. (2,000m)!

Topcon's new QS Series Robotic Systems: Superior Technology - Superior Design - Superior Performance and Value only from Topcon, the World Leader in Precision Measurement Technology.

#### Features Include:

- Advanced X-TRAC 8 Tracking Technology
- One touch robotic setup
- Unmatched long range reflectorless EDM technology
- New Quick Lock RC-4 System with integrated robotic radio communication
- Full-color, graphical Windows® CE interface

Faster - Smarter - Farther - Stronger. The Topcon QS Series robotic total stations are the latest, most advanced systems on the market today combining modern design and advanced technology.

#### RC-4

The new dual-laser system features:

- Wide-area aiming for faster QuickLock
- Integrated 2.4GHz radio simplifies communication with all Topcon field controllers
- Extended radio range
- Multi-channel support



Enhanced prism tracking technology, including new optics and laser system, keeps you locked on even in the toughest environment.

# Topcon “QS” Quick Station with Controller/RC-4 Robotic System kit.

## Package Price Specials

### **NEW Topcon “QS” Quick Station series**

<u>Part #</u>	<u>Model</u>	<u>Accuracy</u>	<u>Mfg. List</u>	<u>L&amp;L Price</u>	<u>Package Special</u>
60962	QS1A	1 sec.	\$31,500.00	Call	<b>\$21,000.00</b>
60963	QS3A	3 sec.	\$28,000.00	Call	<b>\$16,000.00</b>
60964	QS5A	5 sec.	\$26,500.00	Call	<b>\$15,400.00</b>

### **Controller/RC-4 Robotic System Kits include:**

<u>Part #</u>	<u>Controller Model</u>	<u>Software</u>	<u>Mfg. List</u>	<u>L&amp;L Price</u>	<u>Package Special</u>
60970	FC-2500	TopSURV	\$11,550.00	Call	<b>\$9,600.00</b>
60971	FC-2500	Layout	\$11,750.00	Call	<b>\$9,800.00</b>
60972	FC-250	TopSURV	\$10,750.00	Call	<b>\$9,100.00</b>
60973	FC-250	Layout	\$10,950.00	Call	<b>\$9,300.00</b>
60974	FC-25A	TopSURV	\$10,050.00	Call	<b>\$8,800.00</b>
60975	FC-25A	Layout	\$10,250.00	Call	<b>\$9,000.00</b>
60976	FC-25	TopSURV	\$9,850.00	Call	<b>\$8,600.00</b>
60977	FC-25	Layout	10,050.00	Call	<b>\$8,800.00</b>

### **Controller/RC-4 Robotic System Kits include:**

- *Controller*
- *Software*
- *New RC-4 Remote system with Radio*
- *A7-R4 360 degree Prism and RC-4R Mount*
- *60218 Carbon Fiber Pole for Robot*
- *59010 TP-10 Wood Tripod*

## **“QS” Quick Station Specifications**

ANGLE MEASUREMENT	
<b>Method</b>	Absolute Reading
<b>Horizontal</b>	2 sides
<b>Vertical</b>	2 sides
<b>Minimum Reading</b>	<b>QS1</b> 0.5"/1" (0.1/0.5mgon) <b>QS3</b> 1" / 5" (0.2/1mgon) <b>QS5</b> 1" / 5" (0.2/1mgon)
<b>Accuracy</b>	<b>QS1</b> 1" (0.3mgon) <b>QS3</b> 3" (1mgon) <b>QS5</b> 5" (1.5mgon)
<b>Tilt Correction</b>	Dual Axis
<b>Compensating Range</b>	±6'
DISTANCE MEASUREMENT	
<b>1 prism</b>	9,840' (3,000m)
<b>3 prism</b>	13,120' (4,000m)
<b>9 prism</b>	16,400' (5,000m)
<b>Non-Prism Mode</b>	4.9' - 820' (1.5m - 250m)
<b>Non-Prism Long Mode</b>	16.4' - 6,500' (5.0m - 2,000m)
MEASUREMENT ACCURACY	
<b>Prism Mode</b>	Fine 0.2mm / 1mm ±(2mm+2ppmxD) m.s.e. Coarse 1mm ±(7mm+2ppmxD) m.s.e. Coarse 10mm ±(10mm+2ppmxD) m.s.e.
<b>Non-Prism Mode</b>	Fine 0.2mm / 1mm ±(5mm) m.s.e. Coarse 1mm / 10mm ±(10mm) m.s.e.
<b>Non-Prism Long Mode</b>	Fine 1mm ±(10mm+10ppmxD) m.s.e. Coarse 5mm ±(20mm+10ppmxD) m.s.e. Coarse 10mm ±(100mm) m.s.e.
USER INTERFACE	
<b>OS</b>	Microsoft Windows® CE.NET 4.2
<b>Processor</b>	Intel PXA255 400MHz
<b>Screen</b>	Full Color Touch-screen