

The H9 series total station is an improvement over the already established HTS-580AGX series. The H9 comes equipped with a large color touch screen, a completely new user icon based interface, and expanded internal memory to hold more programs on board than before. The H9 is also equipped with a Bluetooth™ interface for connection to PDA and other compatible devices. The interface is designed for ease of use and intuitive user navigation. This instrument also offers an optional reflectorless measuring range of 500m for users who need it. The H9 is based on the HTS-580AGX, only better, faster, and more powerful.



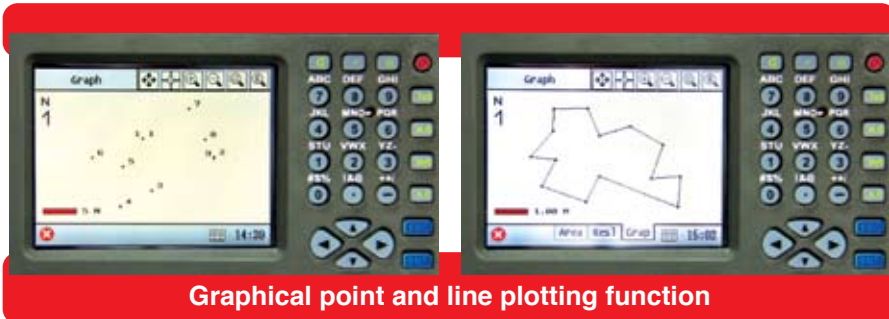
# The new **HORIZON H9** series total station. The evolution continues, in color.

## Features:

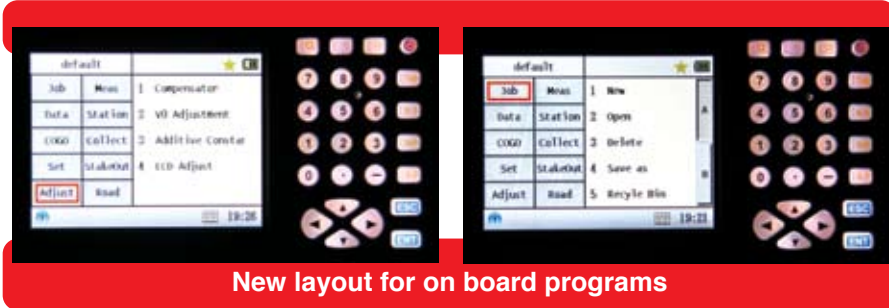
- Dual axis compensation
- Absolute Encoding
- Available in 2, 3 or 5"
- Large Color LCD touchscreen w stylus pen and slot
- New User-friendly user environment
- Optional 500m reflectorless range extension
- Expanded on-board memory
- Improved programs for more user flexibility and efficiency
- RS232, USB and Bluetooth™ communication interfaces
- Automatic temperature and pressure sensors
- Incorporates COGO/ Traverse and Road Measure software on same instrument



The new H9 LCD color touch screen interface



Graphical point and line plotting function



New layout for on board programs



	H92	H93	H95
<b>TELESCOPE</b>			
Image	Erect		
Magnification	30X		
Effective Aperture	45mm EDM:50mm		
Resolving power	3"		
Field of view	1°30'		
Minimum focus	1.3m		
Telescope length	152mm		
<b>ANGLE MEASUREMENT</b>			
Encoder type	Absolute encoding		
Disc Diameter	79mm		
Minimum reading	1"/5"		
Detection method	H: Dual V: Dual		
Units of measurement	Degrees/Gons/Mil		
Accuracy	2"	3"	5"
<b>DISTANCE MEASUREMENT</b>			
Single Prism	3000m		
Triple Prism	5000m		
Reflector sheet	800m		
Reflectorless range	300m * (500m range optional upgrade available)		
Unit of measurement	Meters/Feet		
Accuracy	±(2 + 2x10 <sup>-6</sup> .d)mm with prism ±(3 + 2x10 <sup>-6</sup> .d)mm reflectorless		
Measuring time	Single Fine Measure: 0.7s, Tracking: 0.7s/measure		
Wavelength	685nm		
Atmospheric temperature/pressure correction	Automatic Sensing		
Atmospheric refraction and Earth curvature correction	Automatic Correction k=0.14/0.20		
Reflector constant correction	Automatic		
<b>VIAL</b>			
Circular vial precision	8'/2mm		
Plate vial precision	30"/2mm		
<b>COMPENSATOR</b>			
System	Dual Axis Photoelectric detection		
Compensating range	±4'		
Resolving power	1"		
<b>PLUMMET</b>			
Type	Optical or Laser		
Image	Erect		
Magnification	3X		
Focusing range	0.3m ~ ∞		
Field of view	5°		
<b>DISPLAY</b>			
Type	Large LCD Display, color graphics, touchscreen		
<b>INPUT MODE</b>			
Method	Alphanumeric keypad, touchscreen w stylus pen		
<b>DATA TRANSFER</b>			
Available interface	RS-232, USB, Bluetooth™		
<b>DATA STORAGE</b>			
Internal Memory	>10,000pts or >20,000 coordinates		
SD Card	2GB SD card included		
<b>BATTERY</b>			
Type	Ni-H rechargeable		
Voltage	6V DC		
Operating duration	8hrs		
<b>OPERATING TEMPERATURE</b>			
Range	-20°C to 50°C		
<b>PHYSICAL DIMENSIONS</b>			
Dimensions	160 X 150 X 340mm		
Weight	5.4kg		

\*Using the HORIZON supplied target board, grey side (KODAK Standard A4 x 18% x gray 0.18)  
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