

The H9A series total station is an improvement over the already established H9 series and HTS-580AGX series. The H9A comes equipped with a larger color touch screen, the familiar user icon based interface used in the H9, and expanded internal memory to hold more programs on board than before. The H9A 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 a standard reflectorless measuring range of 500m for users who need it. The H9A is now has a quick EDM measure button on the side panel and is powered by a rechargeable lithium battery

HORIZON H9A

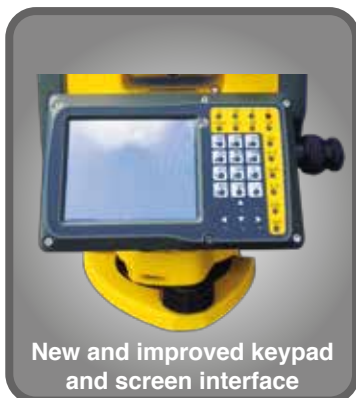
series total station.

The evolution continues, in color.



Features at a glance:

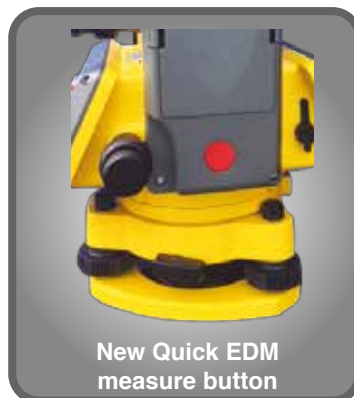
- Dual axis compensation
- Absolute Encoding
- Available in 2, 3 or 5"
- Larger and improved Color LCD touchscreen w stylus pen and slot
- New User-friendly user environment
- Standard 500m reflectorless range
- Expanded on-board memory
- Improved programs for more user flexibility and efficiency
- RS232,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



New and improved keypad
and screen interface



New Lithium battery



New Quick EDM
measure button



500m reflectorless
measuring range
now standard.

H9A SPECIFICATIONS

	H92A	H93A	H95A
TELESCOPE			
Image	Erect		
Magnification	30X		
Effective Aperture	45mm EDM:50mm		
Resolving power	3"		
Field of view	1°30'		
Minimum focus	1.3m		
Telescope length	152mm		
ANGLE MEASUREMENT			
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"
DISTANCE MEASUREMENT			
Single Prism	3000m		
Triple Prism	5000m		
Reflector sheet	800m		
Reflectorless range	500m		
Unit of measurement	Meters/Feet		
Accuracy	±(2 + 2x10-6.d)mm with prism ±(3 + 2x10-6.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		
VIAL			
Circular vial precision	8'/2mm		
Plate vial precision	30"/2mm		
COMPENSATOR			
System	Dual Axis Photoelectric detection		
Compensating range	±4'		
Resolving power	1"		
PLUMMET			
Type	Optical or Laser		
Image	Erect		
Magnification	3X		
Focusing range	0.3m ~ ∞		
Field of view	5°		
GENERAL			
Display	Large LCD Display, color graphics, touchscreen		
Keyboard	3.6" LCD, 290 X 220 dpi Touch Screen		
EDM Trigger Key	Quick measure key on side panel		
INPUT MODE			
Method	Alphanumeric keypad, touchscreen w stylus pen		
DATA TRANSFER			
Available interface	RS-232, USB, Bluetooth™		
DATA STORAGE			
Internal Memory	>10,000pts or >20,000 coordinates		
SD Card	Supportable		
BATTERY			
Type	Rechargeable Lithium Battery		
Voltage	6V DC		
Operating duration	9hrs		
OPERATING TEMPERATURE			
Range	-20°C to 50°C		
PHYSICAL DIMENSIONS			
Dimensions	220 X 150 X 340mm		
Weight	5.2kg		
Waterproofing standard	IP55		

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