

## SPECIFICATIONS

### Angle Measurement

Measurement Method.....Absolute Encoding  
 Minimum Readout..... 1"/5"/10"  
 (0.3mgon/1.5mgon/3mgon) adjustable  
 Accuracy<sup>1</sup>..... 2"

### Distance Measurement (HTS-360 with Reflector)

Single Prism.....3000m (9,842ft.) under good condition<sup>3</sup>  
 Three Prisms.....6000m (19,685ft.) under good condition<sup>3</sup>  
 Reflective Sheet.....800m (2,624 ft.)  
 Accuracy.....2 mm +2ppm  
 Measuring Time (Fine/ Tracking)..... 0.8s/0.3s

### Distance Measurement(HTS-360R Reflectorless)

Reflectorless<sup>2</sup> Rang.....600m (1,968 ft.)  
 Single Prism..... >7500m (24,606ft.)  
 Accuracy..... 3mm+2ppm  
 Measuring Time.....1.5s

### Telescope

Magnification.....30X  
 Field of View..... 1°30' (2.7m at 100m)  
 Minimum Focusing Distance.....1.2m  
 Reticle..... Illuminated

### Compensator

System.....Single-axis liquid tilt sensor/Dual-axis(opcional)  
 Working Range..... ±3'  
 Setting Accuracy..... 1"

### Communication

Bluetooth  
 Interface..... Standard RS232, USB, mini-B  
 Internal Data Memory..... Approx. 20,000 Points, default 8G  
 USB pen drive  
 Data Format..... ASCII

### Operation

Operation system..... Real-time Operating System  
 Display..... High resolution backlight black and white display with

contrast adjustment/ Graphics..... 192 x 96 pixels

Keyboard..... 2 sides Alphanumeric backlit crystal keyboard  
 Trigger key..... On right instrument support

### Laser Plummet

Type..... Laser point, 4 brightness levels  
 adjustment / Optical plummet (optional)  
 Centering Accuracy..... 1 mm at 1.5m instrument height

### Power Supply

Battery Type.....Rechargeable Li-ion battery  
 Voltage/Capacity..... ZBA-400: 7.4V (DC) / 3400mAh  
 Operating Time With ZBA-400..... Optimal 16 hours<sup>4</sup>  
 (Continuous angle measurement every 30 seconds)  
 Measuring Times..... Approx. 12000 times

### Physical

Weight (without battery).....Approx. 3.7kg (8.16lb.)  
 Size..... 300mm x 150mm x150mm(HxWxD)

### Environmental

Meteorological parameter modification.....Manually  
 (T-P sensor is optional)  
 Operating Temperature..... -20 C ~ +50 C ( -4 F to +122 F )  
 Storage Temperature..... -25 C ~ +70 C (-13 F to + 158 F )  
 Dust&Water Proof (IEC60529 Standard)/Humidity.....IP66,  
 95%,non-condensing

<sup>1</sup> Standard deviation based on ISO 17123-3.  
<sup>2</sup> Calculated by Kodak Gray Card white side (90% reflective), exact distance depends on measuring object, observation and environment conditions.  
<sup>3</sup> Good condition: no haze, visibility about 40km, moderate sunlight,  
<sup>4</sup> New battery at 25°C, 24 hours continuously angel measurement mode.

Descriptions and specifications are subject to change without notice

# HTS-360R

## Total Station

Long Ranging, Fast Measurement





## Features

### Compact, Lightweight Design

Ensuring the stability of every indicators of equipment; saving operator's physical exertion in field work.

### Quick Trigger Button

By pressing it, measurement can finish quickly after targeting the object.

### Powerful and Fast EDM Capability

Available to reach the target point fast where the data is inconvenient to collect.

### Dust and Water Protection IP66:

Continue to work even in extremely inclement environment.

### Stable Dual-axis Compensation

Vivid graphic electronic bubble display ensures the high accuracy.

### Upward Laser Pointing

No dead angle in upward measurement, which is significant for special application.

### Intelligent Calibration Software

Accessible for real-time diagnosis to ensure trouble-free operation.

### Compatible Data Format

compatible to the third-party data process software, satisfying requirements of users for different data formats.