

SPECIFICATIONS

Angle Measurement

Measurement Method.....Absolute Encoding
Minimum Readout..... 1"/5"/10"
(0.3mgon/1.5mgon/3mgon) adjustable
Accuracy¹..... 2"

Distance Measurement

Single Prism..... 3000m (9,842ft.) under good condition³
Three Prisms.....6000m (19,685ft.) under good condition³
Reflective Sheet..... 800m (2,624 ft.)
Accuracy..... 2mm+2ppm
Measuring Time (Fine/ Tracking).....0.8s/0.3s

Distance Measurement

Reflectorless² Range..... 600m (1,968.5 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(optional)
Working Range.....±3'
Setting Accuracy.....1"

Communication

Bluetooth
Interface.....Standard RS232,USB-A, Mini-USB
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.....BT30: 7.4V (DC) / 3400mAh
Operating Time With BT30.....Optimal 16 hours⁴ (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℃ ~ +50℃ (-4℉ to +122℉)
Storage Temperature..... -25℃ ~ +70℃ (-13℉ to + 158℉)
Dust&Water Proof (IEC60529 Standard)/Humidity.....IP66,
95%, non-condensing

¹ Standard deviation based on ISO 17123-3.

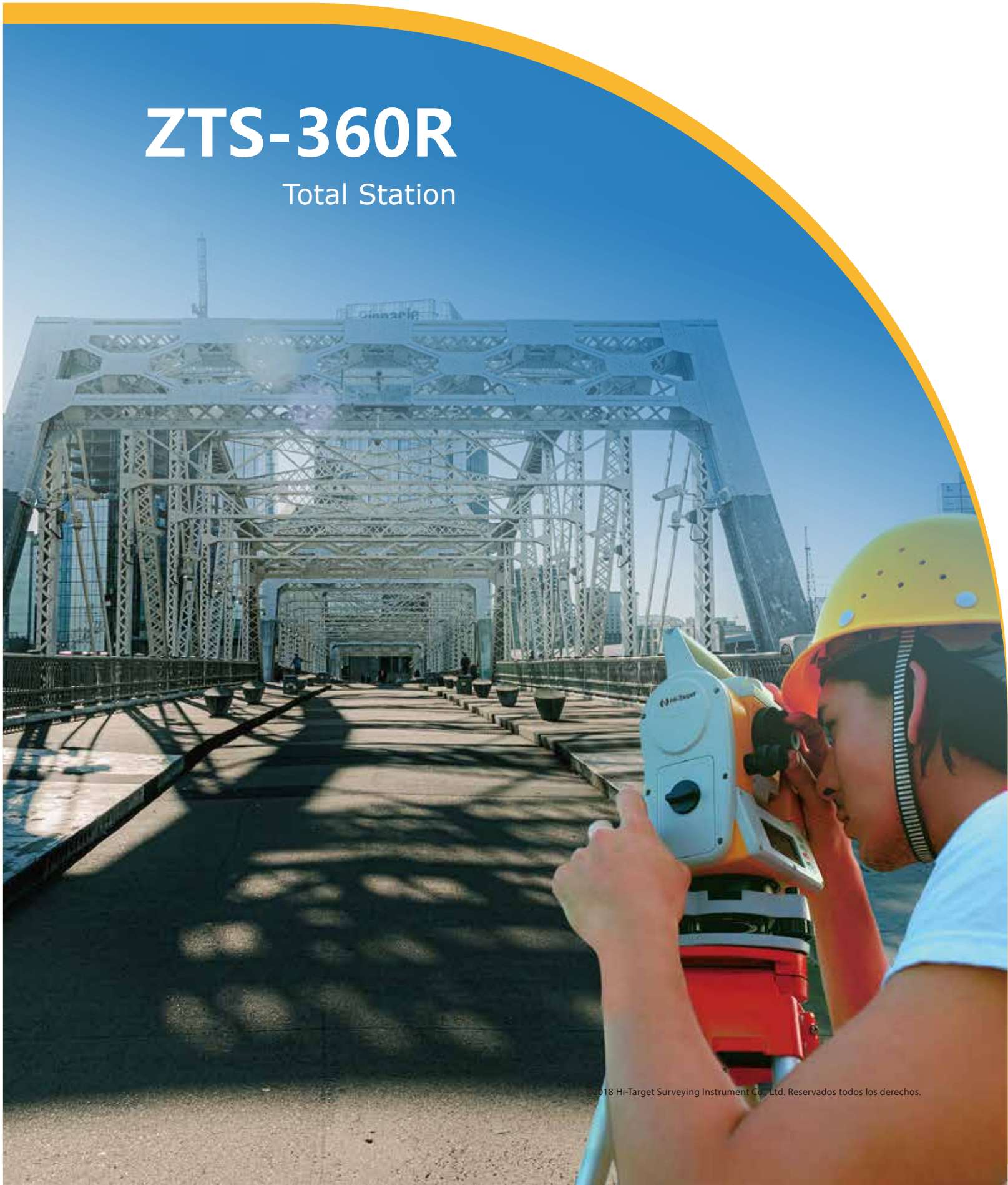
² Calculated by Kodak Gray Card white side (90% reflective), exact distance depends on measuring object, observation and environment conditions.

³ Good condition: no haze, visibility about 40km, moderate sunlight,

⁴ New battery at 25℃, 24 hours continuously angel measurement mode
Descriptions and specifications are subject to change without notice

ZTS-360R

Total Station



AUTHORIZED DISTRIBUTION PARTNER

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IP66