



### NETH503 5'' Theodolite

NETH503 is NWT's newest Theodolite and it integrates the same advanced glass encoder from our total stations. It offers 5'' angular accuracy, dual back-lit LCD screens for easy readouts; and a full array of parameter settings for versatile usage.

#### **Telescope**

Image: Erect  
Magnification: 30x, Stadia ratio 1:100  
Effective Aperture: 45 mm  
Resolving Power: 4''  
Field of View: 1°20'  
Minimum Focus: 3 ft

#### **Angle Measurement**

Accuracy: 5''  
Measuring Method: Photoelectric  
Incremental Encoder  
Minimum Reading: 5''  
Detection Method: Horizontal Single,  
Vertical single  
Measuring Unit: 360°

#### **Sensitivity of Vial**

Plate Vial: 30' / 2mm  
Circular Vial: 8' / 2mm

#### **Optical Plummet**

Accuracy: +/- 2mm  
Magnification: 3x  
Field of View: 5°

#### **Instrument**

Display: Double sided LCD  
Operating Time: 40 working hrs  
Rechargeable / Alkaline batteries  
Operating Temperature: -50°F - 120 °F  
Weight: 10 lbs.