Topcon revolutionizes surveying work with a world’s first new Total Station. Featuring built-in Digital camera for capturing digital images, precise and long range EDM, TFT color graphic display, the newest Windows® CE and much more, the GPT-7000i series provides you the best performance and most efficient survey work with the addition of image information.

**[MAIN FEATURES]**

- **Built-in Digital Camera (Wide and finder view)**
- **The field Images are recorded with field coordinates data**
- **Graphical Display Boosts your productivity**
- **Precise and long range Non Prism EDM**
- **Supporting the strong and versatile software TopSURV OnBoard**
### Specifications

#### Telescope
- **Length**: 150mm
- **Objective Lens Dia.**: 45mm (EDM 50mm)
- **Magnification**: 36x
- **Image**: Erect
- **Field of View**: 1°30'
- **Resolving Power**: 2.8" (3mm)
- **Min. Focus Distance**: 2.6m

#### Distance Measurement
- **Measuring Range**
  - Non-prism Mode: 1.5 to 250m (5 to 820 ft.)
  - In low light condition and without sun glare on target
- **Prism Mode**
  - Condition 1 (1 prism): 3,000m (9,900 ft.)
- **Condition 1: Sight haze with visibility about 20km (12.5 miles) moderate sunlight with light heat shimmer.**

#### Digital Camera
- **Measurement Accuracy**
  - Non-prism Mode: ±5mm
  - 1.5m or more (5 ft. or more)
  - Prism Mode:
    - to 25m: ±3mm × 2ppm = D° × m.s.e
    - 25m or more: ±2mm × 2ppm = D° × m.s.e
- **Least Count in Measurement**
  - S.Fine Measurement Mode: 0.2mm (0.001 ft.)
  - Fine Measurement Mode: 1mm (0.005 ft.)
  - Coarse Measurement Mode: 1mm (0.005 ft.)
  - Tracking Measurement Mode: 10mm (0.02 ft.)
- **Distance Measurement**
  - Display: 11 digits, max. display ±99999999999

#### Angle Measurement
- **S.Fine Measurement Mode**: 0.2mm, Approx. 0.3 sec. (Initial 4.0 sec.)
- **Fine Measurement Mode**: 1mm, Approx. 1.2 sec. (Initial 3.0 sec.)
- **Coarse Measurement Mode**: 1mm, Approx. 0.5 sec. (Initial 2.5 sec.)
- **Tracking Measurement Mode**: 10mm, Approx. 0.3 sec. (Initial 2.5 sec.)

#### Tilt Correction
- **Type**: Dual axis
- **Method**: Liquid type
- **Compensating Range**: ±2°
- **Correction Unit**: 1° (0.1 mgon)

#### Computer Unit
- **OS**: Windows® CE.NET 4.2
- **Processor**: Intel XPA255 400MHz

#### Other Features
- **Dimensions**: GPT-700i / 7002i / 7003i / 7005i
- **Weight**: GPT-700i: 343mm (H) x 243mm (W) x 199mm (L), 135g (H) x 84g (W) x 6g (L)
- **Battery**: Lithium-ion battery BT-61Q
- **Usable Temperature**: -20°C to +50°C (-4°F to +122°F)
- **Power Supply**: DC 7.4V
- **Input Voltage**: AC100-240V
- **Frequency**: 50/60Hz

#### Laser Pointing
- **Type**: Dual axis
- **Method**: Liquid type
- **Compensating Range**: ±2°
- **Correction Unit**: 1° (0.1 mgon)

#### Memory
- **RAM**: 128MB (SDRAM)
- **ROM**: 2MB (FlashROM) + 256MB (Flash Memory)

#### Display Unit
- **Size**: 320 × 240 (QVGA) dots Graphic LCD TFT color display with backlight and touch panel function

#### Digital Camera
- **Sensor**: CMOS
- **Pixel Size**: VGA (Wide/Find View)
- **Image**: Erect

#### Interface
- **Serial I/F Port**: RS-232C (6 pin)
- **USB**: (Type Mini B) for ActiveSynce

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**Important**

In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.

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**Your local authorized Topcon distributor is:**

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