



SURVEY INSTRUMENT

TOPCON[®]



GPT-3000LW Series

Long Range Reflectorless Total Stations

NEW



ISO 9001:2000
FM 68448



Topcon, the World Leader in Positioning Solutions proudly introduces the most advanced, longest range reflectorless total station available, the new GPT-3000LW Series.



LONGEST REFLECTORLESS RANGE

Topcon's unique pulse laser technology allows the GPT-3000 series to measure up to 250m in the standard reflectorless mode, and now up to an astonishing 1200m in the new Long Range mode! Topcon has developed this advanced technology to give you the best reflectorless performance with complete safety and confidence. The Class 1 laser is safe to use around populated areas or heavy traffic.

The new Topcon 3000LW series measures nearly four times farther than any other competitive total station, once again demonstrating the technology advantages that Topcon offers.

DUAL LASER OPTICS

Topcon's GPT-3000 uses a dual laser optics system, one narrow beam for non-prism functions, and a broader beam when using a prism. This stabilizes the beam over long distances providing accurate measurement, even in adverse atmospheric conditions such as heat shimmer.

BLUETOOTH WIRELESS COMMUNICATION

Topcon is the first manufacturer to offer Bluetooth wireless technology for electronic total stations. This unique technology eliminates the hassles of broken data collector cables, and struggling with office cable connections.

TOPCON FIELD CONTROLLERS

Topcon also offers two different field controller options – our new FC-100 for a compact system, and the new FC-2000 for a full keyboard option.

Both systems offer a fast 400MHz Intel processor and a bright full-color touchscreen running the popular Windows CE® platform.



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GPT-3000LW Quick Specifications:

| MODELS | 3002LW | 3003LW | 3005LW | 3007LW |
|--|---|--------------------------------|--------|--------|
| ANGLE MEASUREMENT | | | | |
| Angle Accuracy | 2" | 3" | 5" | 7" |
| Angle Reading | 1"/5" | 1"/5" | 1"/5" | 5"/10" |
| Method | Absolute Reading | | | |
| Compensation | Dual | Dual | Dual | Single |
| TELESCOPE | | | | |
| Length | 150mm | | | |
| Objective Diameter | 45mm (EDM 50mm) | | | |
| Magnification | 30x | | | |
| Image | Erect | | | |
| Field of View | 1deg 30min | | | |
| Min. Focus Distance | 1.3m (4.29 ft) | | | |
| DISTANCE MEASUREMENT | | | | |
| STANDARD: | | | | |
| Measurement Range (1 prism) | 3,000m (9,000ft) | | | |
| Measurement Accuracy | 3mm+2ppm | | | |
| Measurement time | Fine | Approx 1.2 Sec (Init 3 sec.) | | |
| | Coarse | Approx 0.5 Sec (Init 2.5 sec.) | | |
| | Tracking | Approx 0.3 Sec (Init 2.5 sec.) | | |
| REFLECTORLESS: | | | | |
| Measurement Range (Kodak White) | | | | |
| Long Mode: | 1,200m (3,900ft) | | | |
| Normal Mode: | 250m (820ft) | | | |
| Measurement Accuracy <25m | +10mm | | | |
| Measurement Accuracy 25-1200m | +5mm | | | |
| Measurement time | Fine | Approx 1.2 Sec (Init 3 sec.) | | |
| | Coarse | Approx 0.5 Sec (Init 2.5 sec.) | | |
| | Tracking | Approx 0.3 Sec (Init 2.5 sec.) | | |
| DISPLAY | | | | |
| Screen Type | Graphics LCD 160x64 Dots with backlight | | | |
| Display Unit | Dual | Dual | Dual | Single |
| POWER SPECIFICATIONS | | | | |
| OPERATING TIME – SINGLE BATTERY | | | | |
| Including EDM measurement | 3.2 Hours | | | |
| Angle measurement only | 45 hours | | | |
| Recharge Time | 1.8 Hours | | | |
| Battery Type | NiMH | | | |
| PHYSICAL SPECIFICATIONS | | | | |
| Wireless Connection | YES, Bluetooth | | | |
| Point Guide | YES | | | |
| Laser Plummet | YES | | | |
| Laser Pointer | YES | | | |
| Weight (w/battery) | 11.4 lbs. | | | |
| Waterproof Protection | IP66 | | | |
| Temperature Range | -4 to +122 F | | | |



GPT-7000i
Total Station with imaging technology



FC-100
Rugged Window CE® Field Computer



HiPer Lite+
Cable-free GPS+ RTK system