



GBM Guidance System

Part No. A42000F

- Provides Line & Grade Accuracy For The GBM •
- Designed Accuracy Of 1/4" At 300 Feet •



FEATURES

- The guidance system consists of a theodolite, illuminated target, target charger, monitor assembly, camera, lateral slide assembly, elevator column assembly, extension columns, counterweight, alignment holder, bore sight laser, and protective cases.
- The theodolite is used to align and maintain line and grade with a designed accuracy of .25 inch up to 300 feet.
- The rechargeable, battery powered, illuminated target is positioned in the steering head.
- The video surveillance system consists of a 1.3 mega-pixel camera mounted on the theodolite which transfers the digital image of the illuminated target to the monitor.
- The target image is computer enhanced and displayed on a flat panel LED monitor.
- The lateral slide and elevator column adjusts the micro calibration of the horizontal line and vertical grade.

SPECIFICATIONS

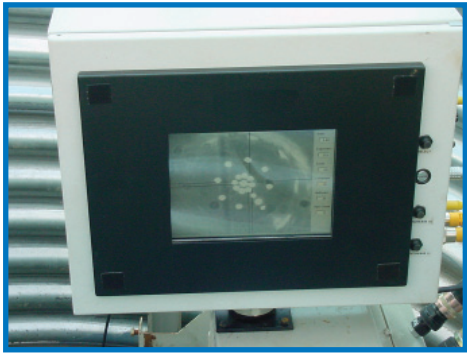
System Weight 92 lbs. (41.8 kg)
 Dimensions (width x length x height)
 Theodolite Case
 12 x 19.5 x 12 in.(305 x 495 x 305 mm)
 Monitor Case
 24 x 26 x 19 in. (610 x 660 x 483 mm)

Theodolite Model Nikon NE-202
 Theodolite Accuracy 5 sec (1.5 mgon) DIN
 Target Red LED
 Bore Sight Laser Visible Red Diode Laser



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The monitor assembly contains the computer and the high bright, anti-reflective, LED flat screen for viewing the illuminated target in the steering head. The target image can be adjusted with the gain, exposure, zoom, and image centering controls. You can also keep track of the number of pipe that have been pushed into the drive with the on-screen pipe counter.



The theodolite contains a dual digital display and key pad for ease of setting and reading the telescope position. It has a 5" DIN accuracy for horizontal and vertical angles.



The 1.3 mega-pixel camera has built-in variable gain, exposure, pan, and zoom to enhance the viewing image.



A retical light is attached to the counterweight for easy viewing of the cross hairs on the monitor. The brightness of this light can be adjusted with the LED brightness control on the monitor.



Illuminated LED Target



Bore Sight & Alignment Holder Aids in the preliminary theodolite line setup.



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