

Guidance System



Part No. FA47260F

- Provides Line & Grade Accuracy For The GBM •
- Designed Accuracy Of 1/4" At 400 Feet •
- Equipped With Remote Focus For Ease Of Operation •



FEATURES

- The guidance system consists of a theodolite with remote focus, illuminated target, monitor assembly, camera, lateral slide assembly, elevator column assembly, 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 400 feet.
- The replaceable battery powered, illuminated target is positioned in the steering head.
- The video surveillance system consists of a 1.4 mega-pixel camera mounted on the theodolite which transfers digital video of the illuminated target to the monitor.
- The target image is computer enhanced and displayed on the monitor assembly.
- The lateral slide and elevator column adjusts the micro calibration of the horizontal line and vertical grade.
- In bright light conditions, an adjustable iris is provided to control the amount of light entering the lens on the theodolite, thus enhancing the target image on the monitor.
- The theodolite focus is controlled from the panel on the monitor assembly.
- Monitor assembly has a higher image clarity in bright light than the previous tablet assembly.

SPECIFICATIONS

Dimensions (width x length x height)

Theodolite Case
..... 12 x 19.5 x 12 in. (305 x 495 x 305 mm)
Monitor Case
..... 15 x 24 x 10 in. (381 x 610 x 254 mm)
Tablet Case
..... 11.5 x 13 x 6 in. (292 x 330 x 152 mm)

Theodolite Accuracy 5 sec (1.5 mgon) DIN
Target Red LED
Bore Sight Laser Visible Red Diode Laser
Operation On/Off End Cap
Power Supply (3) 392 Button Batteries
Construction Brass



The monitor assembly contains the computer with an outdoor 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 pipes that have been pushed into the drive with the on-screen pipe counter. The monitor assembly case can be used as a sun visor for reducing the glare on the monitor screen.

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



The 1.4 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 brightness control on the tablet assembly.



Replaceable Battery Powered Illuminated LED Target



Bore Sight and Alignment Holder aids in the preliminary theodolite line setup.