

REAL-TIME FFL FLOOR FLATNESS AND LEVELNESS



Real-time Floor Flatness and Levelness

Reduce ASTM E1155 reporting from days to minutes with superior data quality and streamlined FFL analysis directly from scan data loaded into Autodesk[®] Navisworks[®].

This real-time FFL workflow offers an affordable hardware and software solution that ensures a quick and reliable process for delivering ASTM E1155 compliant FFL reports. With this integrated solution, you can reduce costs while improving the accuracy and quality of your projects, which also leads to more satisfied clients.



GLS-2000 Multi-functional 3D laser scanner

- Compact, high-speed scanning
- Robust design for job site conditions
- Mode settings ideal for horizontal surfaces



MAGNET® Collage

Complete, fully featured 3D point cloud software

- Fast and easy point data processing
- Accepts data sets from multiple sensor types
- Share data sets online with MAGNET® Collage Web



Rithm

Concrete flatness and levelness software directly integrated with Autodesk[®] Navisworks[®]

- ASTM E1155 reporting in minutes
- Quick and reliable QA
- Bring your FFL analysis in-house
- Analysis on wet or dry concrete





AF TOPCON



GLS-2000 Scanner Specifications

Maximum Range (JUS)reflectivityGLS-20000130 m (High Speed)GLS-20001350 m (Standard)Single Point Accuracy130 m (Standard)Distance3.5 mm (1-150 m), 1 sigmaAngle6"Til Sensor TypeLiquid 2-axis tilt sensor +/ 6'Target Detection Accuracy3" at 50 mDistance3" at 50 mJarget Detection Accuracy3" at 60 mDiser Scanning Stem100 m (Standard)Laser Class3R (High / Standard) 1M (Low Power)Scan RateUp to 120,000 pts/secSpot Size< 4 mm at 20 m (FWHM)Field of New360° H / 270° VScanning Control1.10° h / 8.9° VField of New0n-boardScanning Control1.0° Diagonal 1.19° H / 8.9° VDisplay0n-boardDisplay30° Gr on 113° FOperation Temp23° F to 113° FStorage Temp4.9° to 140° FDust / HumidityIPS4Weight210 kut h batteries and tribrach	System Performance	
Distance3.5 mm (1-150 m), 1 sigmaAngle6"Titl Sensor Type RangeLiquid 2-axis tilt sensor +/- 6'Target Detection Accuracy3" at 50 mLaser Scanning SystemJage (Time of-Flight); Precise Scan Tech. IITypePulse (Time of-Flight); Precise Scan Tech. IILaser Class3R (High / Standard) 1M (Low Power)Scan RateUp to 120,000 pts/secSpot Size≤ 4 mm at 20 m (FWHM)Fleid of View360° H / 270° VFleid of View360° H / 270° VSconring Control1.19° H / 8.9° VScanning Control0n-boardDisplay3.5" Touch ScreenData StorageSD CardPhysical and Error30° F to 113° FCongag Temp4° F to 140° FStorage Temp154Weight24 lbs. with batteries	GLS-2000S GLS-2000M	130 m (High Speed) 350 m (Standard)
Type RangeLiquid 2-axis tilt sensor +/- 6'Target Detection Accuracy3" at 50 mLaser Scanning SystemFulse (Time of-Flight); Precise Scan Tech. IITypePulse (Time of-Flight); Precise Scan Tech. IILaser Class3R (High / Standard) 1M (Low Power)Scan RateUp to 120,000 pts/secSpot Size< 4 mm at 20 m (FWHM)	Distance	3.5 mm (1-150 m), 1 sigma
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Type Pulse (Time of-Flight); Precise Scan Tech. II Laser Class 3R (High / Standard) 1M (Low Power) Scan Rate Up to 120,000 pts/sec Spot Size ≤ 4 mm at 20 m (FWHM) Fleid of View 360° H / 270° V Color Digital Imaging Wide-angle Telephoto 170° Diagonal 11.9° H / 8.9° V Scanning Contru- 0n-board Display 3.5" Touch Screen Data Storage SD Card Physical and Env-romental 30° F to 113° F Storage Temp -4° F to 140° F Dust / Humidity IP54	~	3" at 50 m
Precise Scan Tech. IILaser Class3R (High / Standard) M (Low Power)Scan RateUp to 120,000 pts/secSpot Size< 4 mm at 20 m (FWHM)	Laser Scanning S	System
1M (Low Power) Scan Rate Up to 120,000 pts/sec Spot Size < 4 mm at 20 m (FWHM)	Туре	
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Field of View360° H / 270° VField of View360° H / 270° VColor Digital Imaging Wide-angle Telephoto170° Diagonal 11.9° H / 8.9° VScanning ControlOn-boardOn-boardDisplay3.5" Touch ScreenData StorageSD CardPhysical and EnvironmentalOperation Temp23°F to 113°FStorage Temp-4°F to 140°FDust / HumidityIP54Weight24 lbs. with batteries	Scan Rate	Up to 120,000 pts/sec
Color Digital Imaging Wide-angle Telephoto170° Diagonal 11.9° H / 8.9° VScanning ControlIn.9° H / 8.9° VScanning ControlOn-boardDisplay3.5° Touch ScreenData StorageSD CardPhysical and EnvironmentalOperation TempQoperation Temp23°F to 113°FStorage Temp-4°F to 140°FDust / HumidityIP54Weight24 lbs. with batteries	Spot Size	\leq 4 mm at 20 m (FWHM)
Wide-angle Telephoto170° Diagonal 11.9° H / 8.9° VScanning ControlOn-boardControl SystemOn-boardDisplay3.5" Touch ScreenData StorageSD CardPhysical and EnvironmentalOperation Temp23°F to 113°FStorage Temp-4°F to 140°FDust / HumidityIP54Weight24 lbs. with batteries	Field of View	360° H / 270° V
Control SystemOn-boardDisplay3.5" Touch ScreenData StorageSD CardPhysical and EnvironmentalOperation Temp23°F to 113°FStorage Temp-4°F to 140°FDust / HumidityIP54Weight24 lbs. with batteries	Wide-angle	~
Display3.5" Touch ScreenData StorageSD CardPhysical and EnvironmentalOperation Temp23°F to 113°FStorage Temp-4°F to 140°FDust / HumidityIP54Weight24 lbs. with batteries	Scanning Control	
Data StorageSD CardPhysical and EnvironmentalOperation Temp23°F to 113°FStorage Temp-4°F to 140°FDust / HumidityIP54Weight24 lbs. with batteries	Control System	On-board
Physical and Environmental Operation Temp 23°F to 113°F Storage Temp -4°F to 140°F Dust / Humidity IP54 Weight 24 lbs. with batteries	Display	3.5" Touch Screen
Operation Temp23°F to 113°FStorage Temp-4°F to 140°FDust / HumidityIP54Weight24 lbs. with batteries	Data Storage	SD Card
Storage Temp-4°F to 140°FDust / HumidityIP54Weight24 lbs. with batteries	Physical and Env	ironmental
Dust / Humidity IP54 Weight 24 lbs. with batteries	Operation Temp	23°F to 113°F
Weight 24 lbs. with batteries	Storage Temp	-4°F to 140°F
	Dust / Humidity	IP54
	Weight	

An Enhanced Workflow for Your FFL Needs



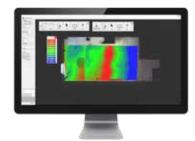
Own your QA workflows and reduce floor profiling costs

Have full control of your QA workflows by using your own tools and working with your own team.



Check wet concrete while it is still workable

Reduce costly and timeconsuming rework by being able to fix mistakes faster.



Easily visualize flooring deviations

Obtain insightful data on the spot with heat maps, contours and grid points for fast and reliable QA.



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