GSQ-110 SCALAR SCORING GROUND STATION

Projectile tracking

Product description

Parker Meggitt Defense Systems' GSQ-110 series ground stations are portable scoring stations designed to receive, process, monitor, record and display scoring data telemetered from radar based scoring sensors during live-fire training and evaluation missions. Mission capabilities of the GSQ-110 include dual-channel bullet and missile scoring that are functions of preloaded software applications in the computer subsystem.

The GSQ-110 provides real-time scoring results with hardcopy report generation. It can be configured with dual receivers for L Band or P Band telemetry frequencies.

The GSQ-110 consists of a telemetry antenna system, dual-receiver/processor assembly, computer, and a printer. A carrying case designed to withstand rough handling and environmental factors provide the GSQ-110 with transportability to service the most difficult operational sites.

Key features and benefits

- Bullet and missile operation
- Miss distance for missiles and bullets
- Hardcopy report generation
- GPS and IRIG timestamping
- Transportable
- Dual target capable
- Built in SW oscilloscope and FFT
- On board timestamped doppler storage

Applications

- Projectile tracking for training and evaluation missions
- Score generation for operator and weapon qualification

Parker Defense Systems

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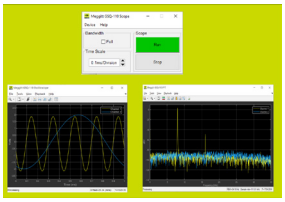
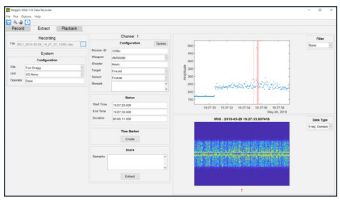
Projectile tracking

Specifications		
Performance		
Missile scoring	Missile acquisition with data time tagging and laptop data storage	
Missile velocity	244-1829 m/sec (800-6000 ft/sec)	
Missile miss distance accuracy	10% of range	
Reported Time Accuracy	< 1 ms	
Electrical		
Receiver	L-Band	P-Band
Input frequency	1435-1535 MHz	300-330 or 400-430 MHz
Noise figure	6 dB (typical)	6 dB (typical)
Input vswr	2:1	2:1
Input power requirements	110/240 V ac	110/240 V ac
Compatible with the following single-channel radar sensors	Microdops and ProTrak	
Components		
Basic Equipment	GSQ-110	
Dual receiver assembly	Housing, power supply, one or two telemetry receivers	
Scoring processor	Notebook computer with scoring software (See Note 1)	
Mobile printer	Deskjet or similar (Note 1)	
Telemetry antenna system	(Note 2)	
Note	1 - Visual depiction may be different from actual hardware 2 - Antennas will be selected at time of proposal based on telemetry frequencies and operational requirements and are sold separately	



SCOPE



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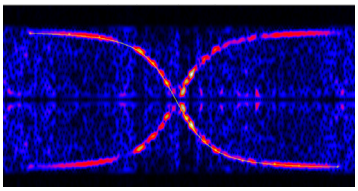
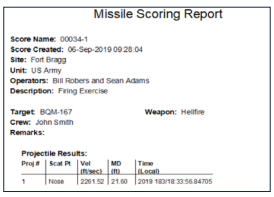


TRACK



REPORT

Parker Defense Systems

Note: Due to continuous process improvement, specifications are subject to change without notice. TCO Review # 255