



SIGHT

When you have the data you have the control. PALS Environmental Monitoring System, SIGHT, provides accurate data during 7/24. It monitors environmental conditions such as temperature, humidity, wind, fire. Thanks to sensitive sensors, the alarm system allows defining any issue at any time. The simple design of the user interface improves the efficiency of the whole system. Data, reports, and measurements can be tracked or checked from the dashboard.

EMS System's reporting capabilities can be applied to more professional systems along with commercial usage. Incident reporting increase overall performance and reduce the time and operator interference. It helps to define breakdown instantly. PALS EMS is specifically designed for large or middle scale system rooms, data centers, telecom base stations, earth station centers, and for anywhere that needs to be monitored. The alarm system allows taking necessary actions from anywhere. It helps to identify the breakdown in an instant. PALS EMS is flexible to add more or customized alarms for different kinds of applications. EMS alarm systems can be customized. It can also monitor the status of AC Systems, energy level, fuel level, and more.

Key Features

- Remote Monitoring
- Instant Reporting
- Web Interface
- Security Roles & Permissions
- Flexible to add more feature
- Real Time Notifications and Alarms
- Dashboard Customization
- Credential Management



GENERAL SPECIFICATIONS

Reflector Diameter	0.55m
POL Mode	Ku Band Linear
Pointing Satellite Mode	Auto + Manual
Controller	19 inch 1U Controller
Steady Type	2 axis
Positioning Mode	GPS + BD
Weight	49.8 Kg

RF CHARACTERISTIC

Frequency (GHz)	RX 10.7 ~ 12.75	TX:13.75 ~ 14.5
Horizontal Gain	RX 35.02dBi	TX 36.56dBi
Vertical Gain	RX 34.75dBi	TX 36.91dBi
Port Isolation	86 dB	
VSW	RX 1.39	TX 1.42
Cros POL Isolation	28.4dB	
1st Sidelobe	-16.18dB	
Interface Form	RX N50K	TX WR75
Dynamic Switching Satellite Time	5s	
Power Capacity	100W	
Radome Insertion	0.27dB	
Auto Acquisition Time Initial Acquisition 68s Blockage Recover Time	4s	
Tracking Accuracy	0.17dB	
Out of Lock Rate	0.01%	
System Power Consumption	99W	

MECHANICAL SPECIFICATIONS

Motion Range	EL 0°~ 90° AZ: 360 ° rotation without limit POL: ± adjustable
Revolution	AZ 60°/s EL 60°/s POL 40°/s
Angular Acceleration	AZ 200°/s EL 200°/s

MECHANICAL SPECIFICATIONS

Operation Temperature	-40 ~ +60°C
Storage Temperature	- 50 ~ +70°C
Operation Wind Load	21m/s
Storage Wind Load	35m/s
Humidity	95% (20°C)
Protection	IP65

Compliances / Certificates



TURKEY

P : +90 216 540 72 57

M : sales@pals.com.tr

W : www.pals.com.tr

NETHERLANDS

P : +31 6 85 52 63 16

M : sales@pals-comsat.com

W : www.pals-comsat.com

