

The Best or Nothing over the world

EMP Shelter Surveillance System

Model : KMSE 100A

Fully meet to MIL STD 188-125 3.3.16, 3.3.18, 3.3.19, 4.5 (HM/HS) requirements

Main system(KMSE)



RFD 50SG



Main features/ specifications

- * **Conducted status monitoring for hardening shelter;**
 - Monitoring a EMP filters insertion loss
 - Monitoring a MOV degradation and Fire protection
 - Predicting a replacement time for MOV
 - Synchronous monitoring up to n -shelter
 - Real time monitoring on the Time & Frequency domain
 - Network & Spare parts management for EMP shelters
 - Number of surge counting function
- * **Real time Shielding Effectiveness monitoring;**
 - Supervisory 80dB shielding effectiveness for hardening shelter
 - Lowest cable loss for big size hardening shelter
 - Fully meet a DEF-STAN 59-188 Table E-1 and UFGS-08 34 49.00 20. pp 10 HM/HS requirements
 - Dynamic range :- 100dB or higher
 - Frequency band : 500MHz(10kHz option) to 1GHz
 - Number of monitoring point : 5 or more (user option)
 - Time and frequency domain
 - Provide a preventive maintenance time
- * **System stability against EMP;**
 - MIL STD 461F, MIL STD 188-125 PCI qualified

Patents;

- Registration number : 10-1443676
- Registration number : 10-1203952
- Registration number : 10-1217031

Come in contact with KTI for more details

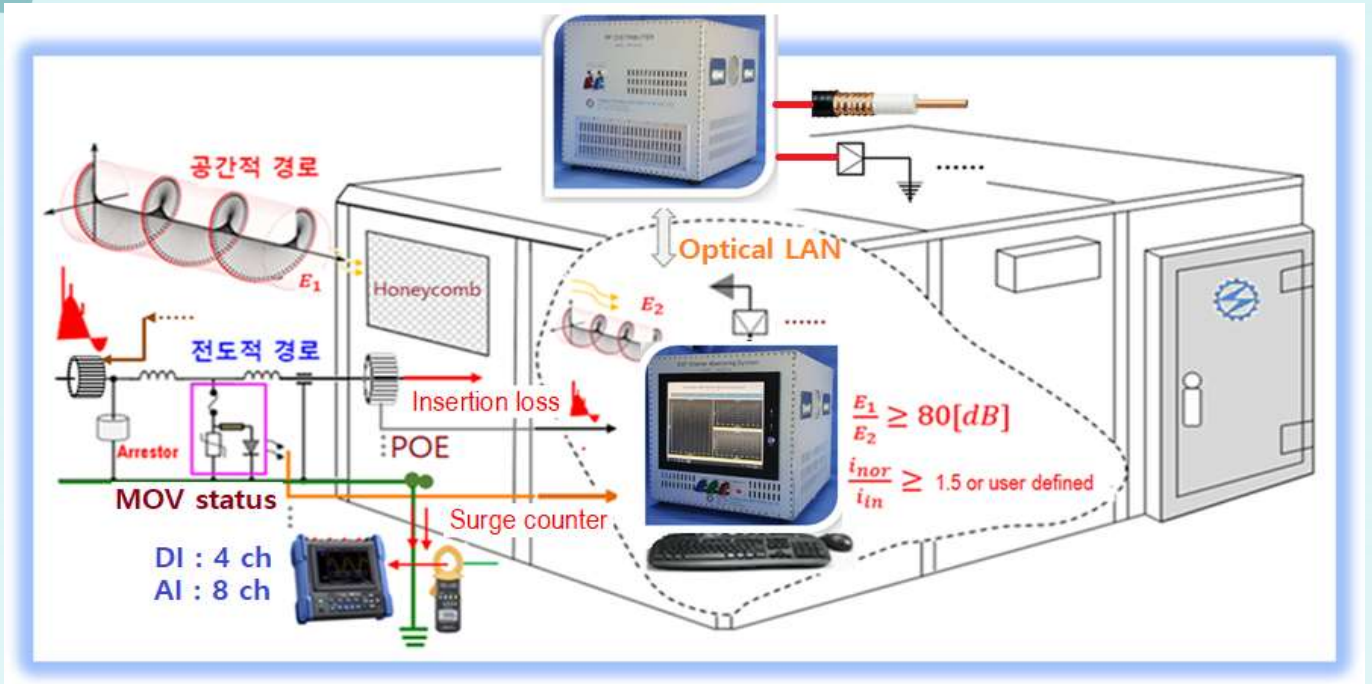


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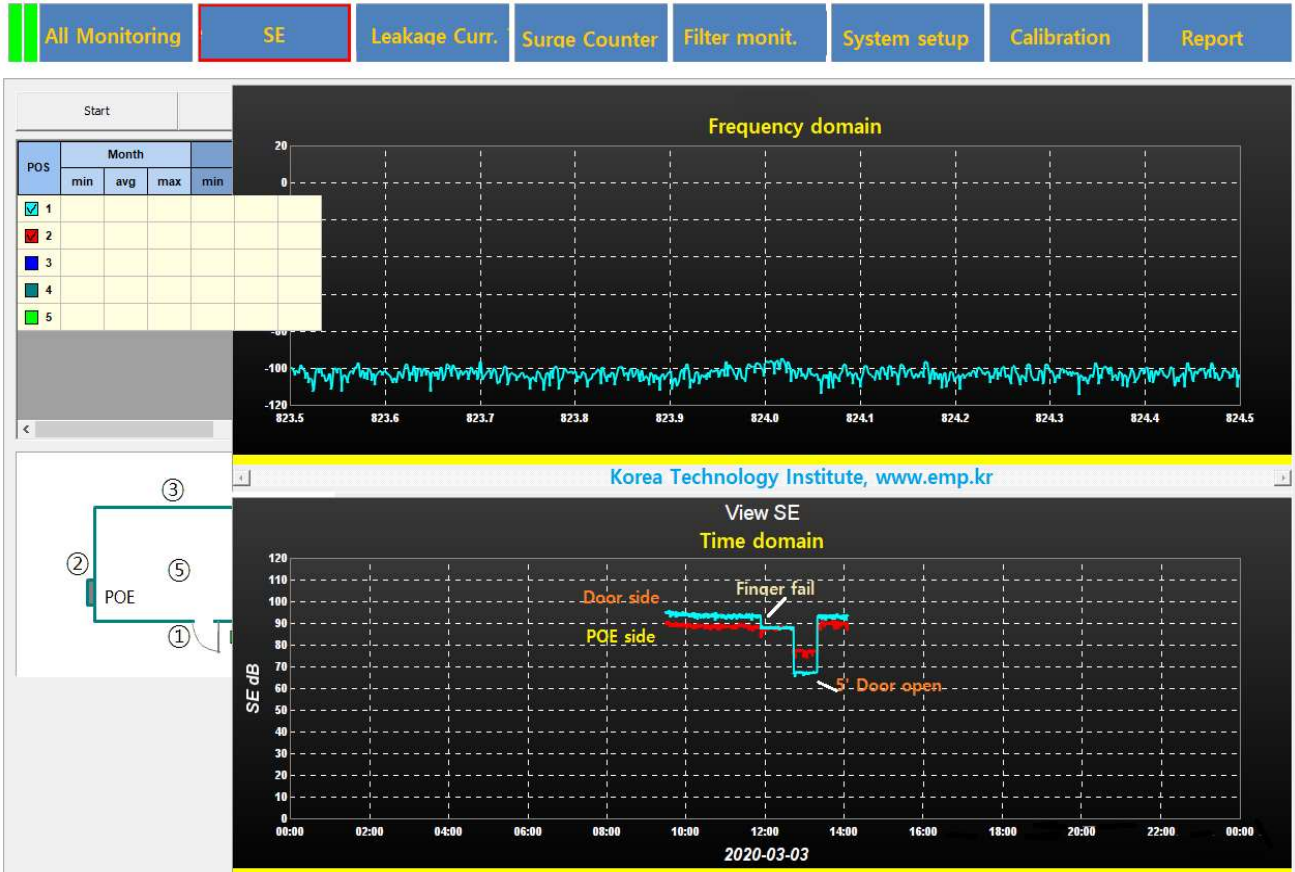
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System configuration



Realtime monitoring examples;



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Report of EMP Hardening Shelter Monitoring

MOV status				
Early leakage, mA	1 week average	1 month Average	Yearly Average	Alarm, %

Filter status		Early EMI data			
Frequency, MHz	1 week	1 month	Yearly	Alarm, %	System setting

SE report					
Monitoring	Early data	Report			Remark
① Door side SE		Monthly	Quarterly	Yearly	
② POE side SE		Monthly	Quarterly	Yearly	
③ Wall side SE		Monthly	Quarterly	Yearly	
④ Wall side SE		Monthly	Quarterly	Yearly	
⑤ Ceiling side SE		Monthly	Quarterly	Yearly	

Surge counter	

What are the advantages after equipment installation ?

- Keep automatically on the EMP required performance, SE and PCI
- Cost effective hardness maintenance and surveillance for EMP shelter
- * Fully meet the MIL STD 188-125, HM and HS and DEF STAN 59-188. 6.5
- How much budget can be saved by this system installation?

	Recommended regular test period on the standards	Recommended test period after this system installation
SE Test	3 year : around \$600,000-700,000 per one time for larger volume shelter	7 years
PCI Test	3 year : around \$ 500,000-600,000 per one time for larger volume shelter	7 years

Nominal life time of EMP shelter for welding type : 15 years

Then, you could be save a budget, minimum \$3,300,000 during EMP shelter life time



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