

GREMAC

Insulation Monitoring Setup Instructions

Mosa Power Generators 12054HZDT / 13054HBS

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Valid for:	Mosa Power Generators 12054HZDT, 13054HBS
Created by:	GREMAC Technical Team

1. SAFETY INSTRUCTIONS

⚠ WARNING

- All work must only be performed by **qualified electrical personnel**
- **Disconnect and secure** the system before maintenance work
- Use appropriate **personal protective equipment**
- Contact **GREMAC Service** if in doubt

1.1 Scope of Application

- Mosa Power Generator 12054HZDT (Diesel, 400V, 50Hz)
- Mosa Power Generator 13054HBS (Gasoline/Gas, 400V, 50Hz)
- Insulation Monitoring Dossena (Italy), IEC 61557-8

2. OPTIMAL SETTINGS

For **maximum tolerance** with **safe operation** :

Parameter	Setting Value	Controller Position	Purpose
Pre-Alarm (Pre-AL.)	50 KΩ	50	Early warning without shutdown
Alarm (AL.)	20 KΩ	20	Critical alarm with shutdown
Operating Mode	N.E./Aut.	N.E./Aut.	IT network, automatic operation

3. SETUP PROCEDURE

3.1 Preparation

- Stop power generator and allow to cool down

- Set main switch to "OFF"
- Visually inspect insulation monitoring device

3.2 Step-by-Step Setup

Step 1: Slowly turn Pre-Alarm controller to position "**50**"

Step 2: Slowly turn Alarm controller to position "**20**"

Step 3: Set "N.De./N.E." switch to "**N.E.**"

Step 4: Set "Man./Aut." switch to "**Aut.**"

Step 5: Mark settings with felt-tip pen

4. FUNCTION TEST

4.1 Test Procedure

1. Start power generator and allow **5 minutes** warm-up time
2. Press and hold "TEST" button for **3 seconds**
3. All LEDs must light up briefly
4. Press "RST" button to reset

4.2 Expected Behavior

- **Pre-AL. LED:** Green illuminated
- **On LED:** Green illuminated
- **AL. LED:** Off
- **Acoustic:** No alarm

5. SETUP PROTOCOL

System: Mosa Power Generator _____

Serial Number: _____

Setup Date: _____

Parameter	Target Value	Actual Value	OK
Pre-Alarm	50 K Ω	_____	<input type="checkbox"/>
Alarm	20 K Ω	_____	<input type="checkbox"/>
Operating Mode	N.E./Aut.	_____	<input type="checkbox"/>
Function Test	Passed	_____	<input type="checkbox"/>

Technician: _____

Signature: _____

Date: _____

6. TECHNICAL SUPPORT

GREMAC

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