

# ES 448 Leakage Locator System

## GENERAL INFORMATION

Designed for use with the isolation monitor model ES1000A in medical facilities with IT systems, this device enables identification of the power supply line experiencing a leakage fault. It provides maintenance personnel with detailed information for appropriate action.



## Functionality of the Leakage Locator ES 448

The device scans six measurement channels, illuminating the LED associated with the channel where leakage is detected. The alarm message is monitored by the isolation monitor ES1000A, indicating the channel where the fault occurred and transmitting the alarm via the RS485 communication bus.

## FEATURES

- 1** | 6 measurement channels with toroidal transformer
- 2** | Maximum response time: 6 seconds
- 3** | Up to 7 devices combined per isolation monitor
- 4** | RS485 communication
- 5** | Automatic periodic testing every hour

## TECHNICAL DATA

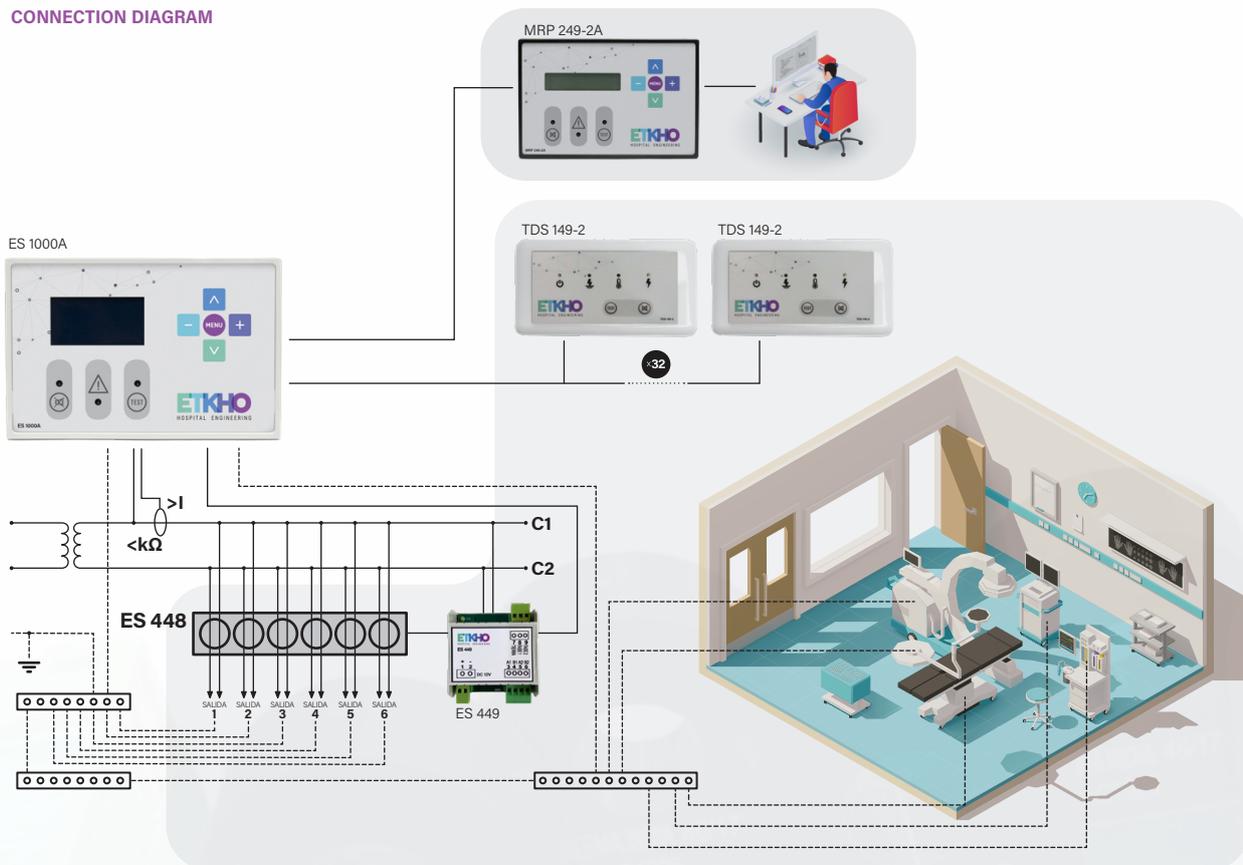
Power supply voltage	10-16Vdc
Class	II

## COMMUNICATION

Connection with the ES1000A / ES449 isolation monitor	1 Output RS485
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### CONNECTION DIAGRAM



### ACCESSORIES

Current Injector	<b>ES 449</b>
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### COMPATIBLE EQUIPMENT

AC/DC Isolation Monitor	<b>ES 1000A</b>
Repeater	<b>TDS 149-2</b>
Multi-repeater	<b>MRP 249-2A</b>
Current Injector	<b>ES 449</b>

### COMMUNICATION

The leakage locator includes an RS485 port for communication with the isolation monitor ES1000A via the current injector model ES449, and supports up to 7 leakage locator modules.

### STANDARDS

EN 61557-8: 2015  
 EN 61557-1: 2007  
 EN 61557-9: 2015  
 EN 61558-2-15:2012  
 EN 61326-1: 2013  
 EN 61326-2-4: 2013  
 IEC 60364-7-710: 2002

