

Hospital Isolated Power Supply Solution

Application Scenario



Operating Room



ICU



CCU



NICU

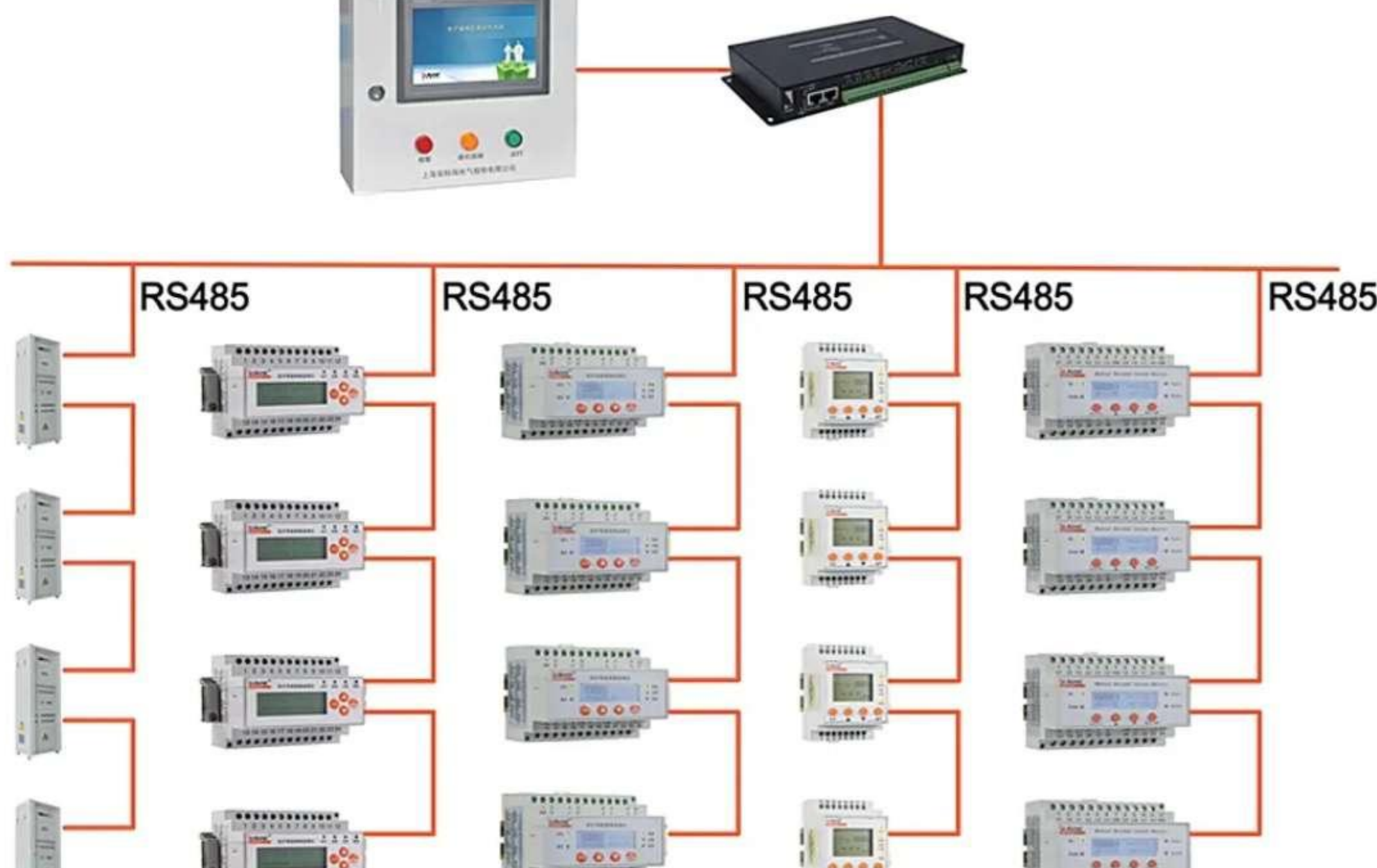


Emergency Room

Prologue

Due to growing demands of electronic medical equipment from hospitals, the request of protection for patients from the threat of residual current became the most crucial parts of hospital isolated power supply system.

Structure



Practical Application

Monitoring Software

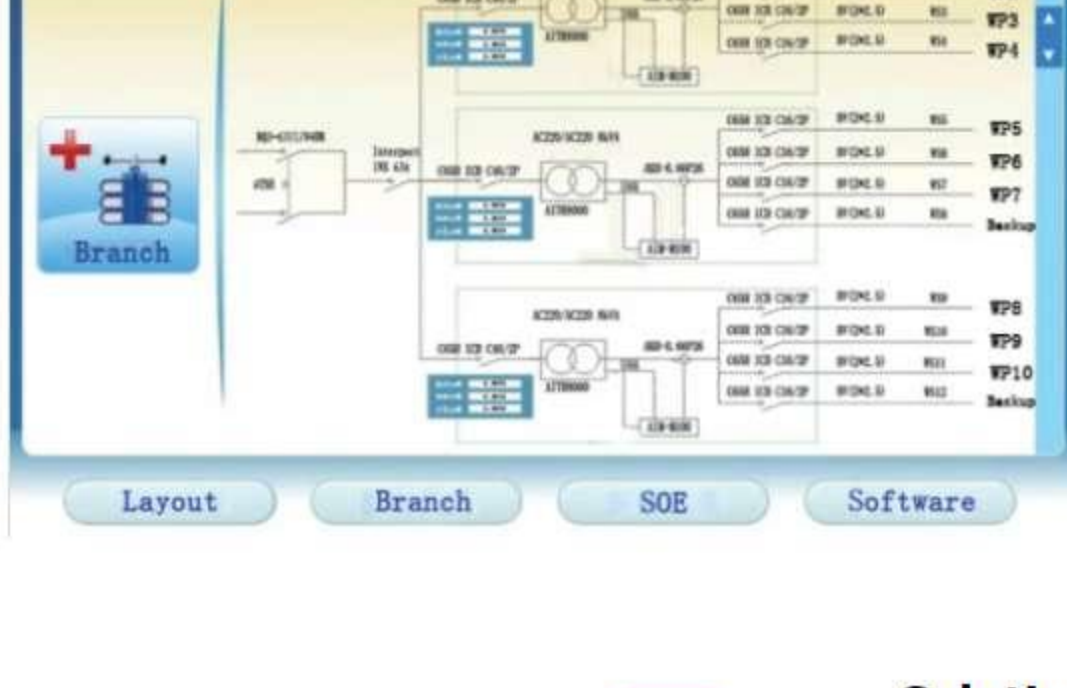
Real-time Data Acquisition



Fault Alarm



Primary Connection Diagram



Primary Connection Diagram



Solution Samples



AID200
Alarm&Display Divece

- Remote Monitoring
- LED Indicator
- Support Monitoring at Multiple Locations
- CAN bus Communication

GGF

Isolation Power Cabinet

- Group 2 Medical Scenario
- Q235A Cold Rolled Steel Plate
- Louver Type Heat Dissipation Fan
- Multiple Sizes and Installation Types



AID150
Alarm&Display Divece

- Remote Monitoring
- LED Indicator
- Display Data of Multiple Insulation Monitor
- RS485 Communication



AIL150
Isolation Fault Locator

- Measuring Channel: up to 8
- Communication: CAN bus
- Locating Current(peak): <1mA
- Locating Voltage(peak): <25V

AKH-0.66/L-20
Residual Current Transformer

- Paired with AIM-R100
- Accuracy: 0.2
- Secondary Current: 50mA
- Ratio: 2000:1

AIM-M200
Isolation Monitor

- Isolation Resistance Monitoring
- Fault Alarm Relay Output
- 1 CAN bus+ 1 RS485 Communication
- Transformer Temperature&Load Monitoring

ASG150
Test Signal Generator

- Rated Voltage: AC 242V
- Communication: CAN bus
- Locating Current(peak): <1mA
- Locating Voltage(peak): <25V

AKH-0.66P26
Protective Current Transformer

- Input Current: 0.5mA~50A
- Output Current: 0.025~25 mA
- Accuracy: 0.5%
- Monitoring Load of Insulation Transformer

AIM-R100
Residual Current Monitor

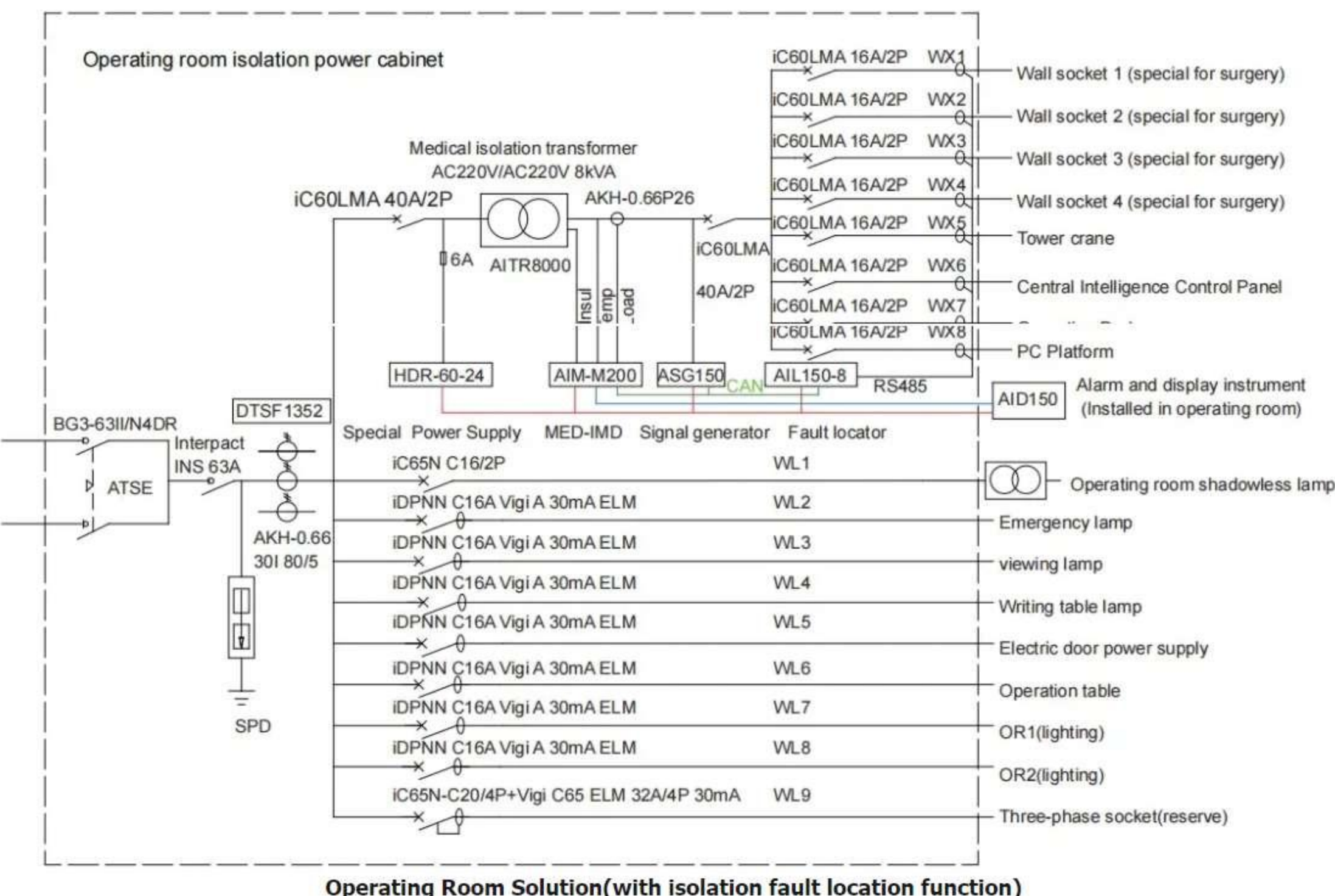
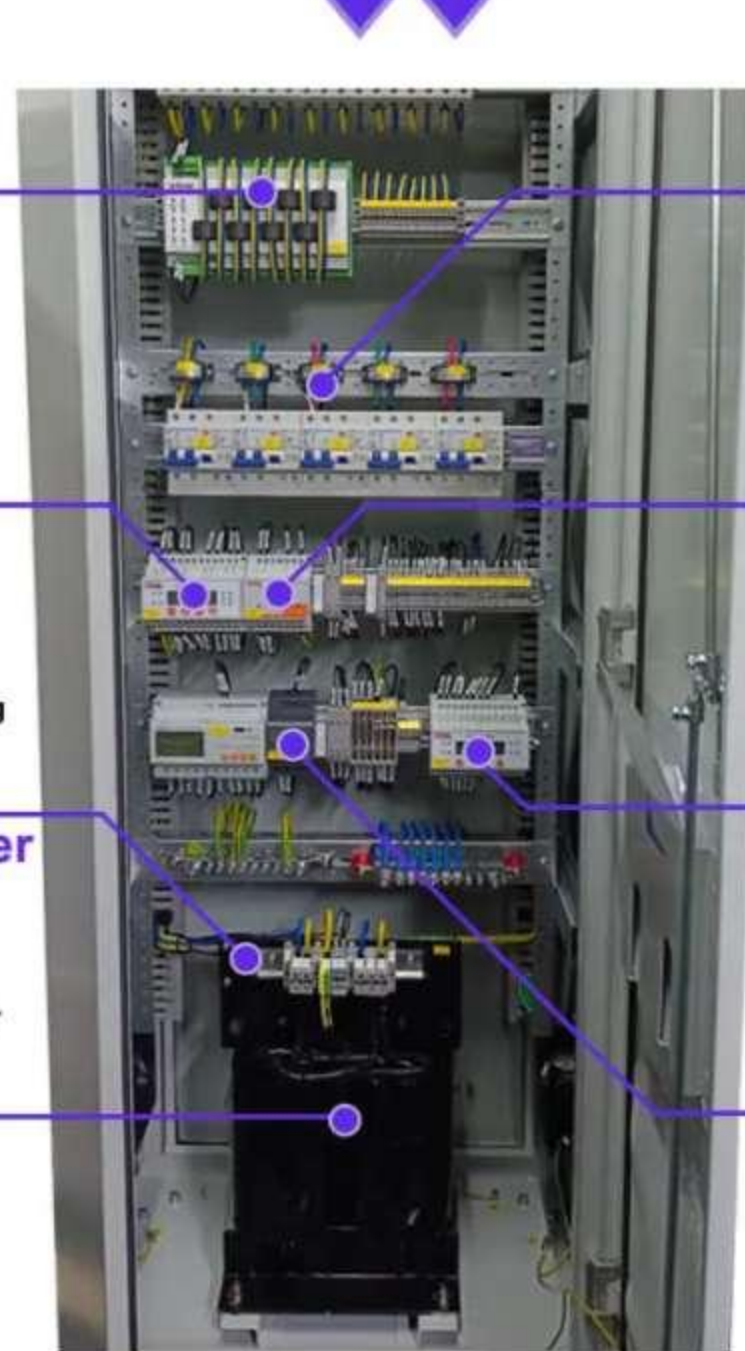
- Measuring Range: 1mA~5A
- Range of Alarm Value: 6mA~1A
- Fault Record Function
- Alarm Relay Output

AITR
Isolation Transformer

- Multiple Insulation Treatment
- Leakage Current: <0.2mA
- Inrush Current: <In
- Noise Level: <40dB (A)

HDR60-24
DC Auxiliary Power Supply

- Input: AC 100-240V 1.8A
- Output: DC 24V 2.5A
- Power Supply for AIM-M200,AIL150,ASG150
- Total Maximum Power Consumption: 60VA



Operating Room Solution(with isolation fault location function)

Introduction Manual



[Stock Code:300285.SZ]

IT System Insulation Monitoring Device And Fault Location System

ACREL CO.,LTD

Related Product



AITR Series

Isolated Transformer

[Read More](#)



AIM-M200

Isolation Monitor

[Read More](#)



AID150

Alarm&Display Devices

[Read More](#)



AIL150-4-8

Isolation Fault Locator

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ASG150

Signal Generator

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ACLP10-24

Auxiliary Power Supply

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