# DR1

# Multiple Pulse Processing Unit

# (Resistive Type)


- Designed for use with multiple-pulse cable fault locators, providing interfaces and pathways for both high-voltage and low-voltage electricity.
- Features multiple overvoltage and overcurrent protection functions for absolute safety.
- Test pulse voltage: < 400V
- Input high-frequency impulse voltage: < 40 kV
- Compact size and light weight, facilitating easy transportation

## Function Overview:

The Multiple Pulse Processing Unit is the core equipment enabling cable fault locators to perform multiple pulse method for cable fault detection. When paired with an intelligent multiple pulse method cable fault locator, it completes the full multiple pulse testing process. Under tens of thousands of volts of high-voltage impulse conditions, a single impulse high-voltage flashover obtains multiple sets of pulse test waveforms with different delays. The central processing unit automatically selects the most ideal and easiest-to-analyze set of waveforms (similar to short-circuit fault waveforms of the low-voltage pulse method) and displays them on a large-screen color LCD screen. This achieves adaptability in cable fault detection, reaching the highest level of accuracy with zero misjudgments or false positives. It greatly improves the on-site work efficiency of cable fault testing.

## Technical Specifications and Features:

- Compatible with multiple-pulse cable fault locators, providing interfaces and channels for both high-voltage and low-voltage systems.
- Features multiple overvoltage and overcurrent protections to ensure absolute safety.
- Test pulse voltage: 400V
- Input high-frequency impulse voltage: Less than 40KV
- Built-in arc extension circuit
- Dimensions: 360 mm × 220 mm × 340 mm
- Operating conditions: Temperature -10°C to +45°C, relative humidity 90%.

**GB/T19001-2016/ISO9001:2015**
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