

HF-CH-216

# High Voltage Signal Generator for Cable Sheath Fault Location



This portable high voltage signal generator is specially designed for cable sheath fault detection. It features adjustable output voltage, dual analog meters for real-time monitoring and multi-layer safety protection, housed in a rugged waterproof case suitable for field power testing work.

### Key features

- Equipped with multiple safety protection mechanisms including ground interlock and high-voltage zero-position startup to ensure operation safety.
- It delivers large output current, which facilitates DC withstand voltage tests on cable sheaths efficiently.
- The transmitter can be powered by mains electricity or generators; the matched sensors and receiver adopt dry batteries for power supply.

### Technical specifications

| Parameter             | Value                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------------|
| Output Frequency      | 1 Hz                                                                                                        |
| Open-circuit Voltage  | Fundamental RMS: 0 ~ 2800 V Pulsating DC, peak value: 8 kV (Equal to phase voltage peak of 10kV power line) |
| Short-circuit Current | Fundamental RMS: 0 ~ 35 mA Pulsating DC peak value: 100 mA                                                  |
| Power Supply          | AC 220V mains supply; Support external generator (Generator rated output power >= 1500W)                    |
| Maximum Output Power  | 600 W                                                                                                       |

### Standard scope of supply

| No. | Item                                  | Qty    | Notes                                    |
|-----|---------------------------------------|--------|------------------------------------------|
| 1   | Main Transmitter Unit                 | 1 Set  | Core high voltage signal generation host |
| 2   | High Voltage Output Connecting Cable  | 2 Pcs  | For high voltage wiring connection       |
| 3   | Earthing Ground Wire                  | 1 Pc   | Safety grounding for high voltage test   |
| 4   | AC 220V Power Input Cord              | 1 Pc   | Mains power supply line                  |
| 5   | Matched Receiving Sensor & Receiver   | 1 Set  | For fault signal pickup & positioning    |
| 6   | Spare Fuses                           | 3 Pcs  | Replacement consumable parts             |
| 7   | Insulated Safety Gloves               | 1 Pair | High voltage operation protection        |
| 8   | English Operation Manual              | 1 Copy | Detailed operating & parameter guide     |
| 9   | Factory Calibration Certificate       | 1 Copy | Official calibration document            |
| 10  | Quality Inspection Report             | 1 Copy | Factory outgoing test record             |
| 11  | Warranty Card                         | 1 Copy | After-sales service voucher              |
| 12  | Shockproof Waterproof Hard Carry Case | 1 Pc   | Integral export packaging container      |
| 13  | Moisture-proof Desiccants             | 2 Bags | Anti-humidity storage inside case        |

### Compliance and documents

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| Applicable standards    | [ TO BE CONFIRMED ] standard applied to this model |
| Calibration certificate | [ TO BE CONFIRMED ]                                |

|                      |                     |
|----------------------|---------------------|
| Optional accessories | [ TO BE CONFIRMED ] |
|----------------------|---------------------|

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.