Power Transmission Line Fault Locator

Details

1. Feature GPS-Time-Synchronized Power Transmission Line Fault Locator.
2. The product monitors fault travelling waves to locate the fault range in the power transmission line. It uses a GPS-synchronized time base to detect the times of arrival at both ends of the line. This performance is based on the world's first patented technology and our 31 year experiences. It demonstrates +/-300m fault range accuracy in the field. Time resolution 25ns, wave sampling 10MHz.
3. Country of Manufacturer: Japan
4. User Categories
   INT'L SMART GRID EXPO
   - For Electric Power Company
   - For Power Producer
   - For Heavy Electric Manufacturer
   - For Building/Facility
   - For Government/Municipality

IoT Surge Sensor Module

Details

New Product/Technology
Prototype

1. Feature Records & transfers surge waves in the power transmission line, etc.
2. The product is based on 31 year technology and experience of the GPS-Time Synchronized surge-receive type, the world's first patented. For the Smart Grid we offer the embeded solution of a combined set of comapct module and non-contact electromagnetic field sensors. This provides data to identify the fault and can be an AI data to forecast it. Time tag resolution 25ns, wave sampling 10MHz.
3. Country of Manufacturer: Japan
4. User Categories
   INT'L SMART GRID EXPO
   - For Electric Power Company
   - For Aggregator
   - For Power Producer
   - For Heavy Electric Manufacturer
   - For Building/Facility
   - For Government/Municipality

Wide Band Electromagnetic Field Sensor

Details

Selling point:
Demonstration Available

1. Feature Detects/outputs transient waveform, voltage/current, wide band
2. Wide band(50Hz to 1MHz) and non-contact waveform pickup means. Detects both electric & magnetic fields with one sensor head. Three phase I/O channels in one set: Output selectable low freq (50/60Hz) or high freq . Analog output +/-10V (1k ohm load). High sensitivity and low noise. Optional EO/OE converters available for a long range of optical transfer (Std. 1km max). Low cost, small, low power.
3. Manufacturer: Orion Corporation
4. Country of Manufacturer: Japan
5. User Categories
   INT'L SMART GRID EXPO
   - For Electric Power Company
   - For Power Producer
   - For Heavy Electric Manufacturer
   - For Building/Facility
   - For Government/Municipality

Waveform Signal EO/OE Optical Transfer Device

Details

Used to transfer wave signal via optical fiber cable.

1. Converts electrical signals to optical signals for transmission through optical fiber cables (GI or HPF) and to convert the optical signals back to electric signals at the optical receiving end. Frequency Range 40Hz-800KHz (-3dB down). -16dB ATT at 50/60Hz possible with DIP SW. Ambient Temp: -20 to +50 degrees C. Primary Power AC: 85-264VAC, DC: 110-370VDC. Dimensions 270mmW x 200mmD x 100mmH.
2. Manufacturer: Orion Corporation
3. Country of Manufacturer: Japan
4. User Categories
   INT'L SMART GRID EXPO
   - For Electric Power Company
   - For Power Producer
   - For Heavy Electric Manufacturer
   - For Building/Facility
   - For Government/Municipality