



Product Description

Fiber Optic Sensor Series

Broadband Voltage Sensors





Broadband Voltage Sensors



Introduction

Broadband voltage sensors are characterized by high accuracy, high stability and wide frequency band. It is suitable for all kinds of electric power system, industrial automation and other fields.

Key Features

High accuracy, high stability, wide bandwidth

Application area

- Electric power system: extra-high voltage DC, flexible DC transmission, DC distribution network, new energy harmonic measurement.
- Industrial automation: power equipment monitoring, control systems.
- Research experiments: voltage measurement, experimental equipment supporting.
- Other fields that require broadband voltage measurement.



Technical Indicators	
Rated primary voltage	$\pm 375\text{V}/\pm 10\text{kV}/\pm 20\text{kV}/\pm 200\text{kV}/\pm 500\text{kV}$
Secondary input voltage	$\pm 15\text{V}$
Measuring principle	Resistive - capacitive partitioning
Measurement accuracy	0.2%FS
Response time	$\leq 10\mu\text{s}$
Sampling rate	$\geq 100\text{kHz}$
Bandwidth	$\geq 50\text{kHz}$
Output Methods	
Optical port	ST
Output protocol	IEC60044-8
Environmental conditions	
Operating temperature	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Storage Temperature	$-45^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Insulation Performance	GB/T 26217
Power supply	
Operating power	AC/DC 85~264V