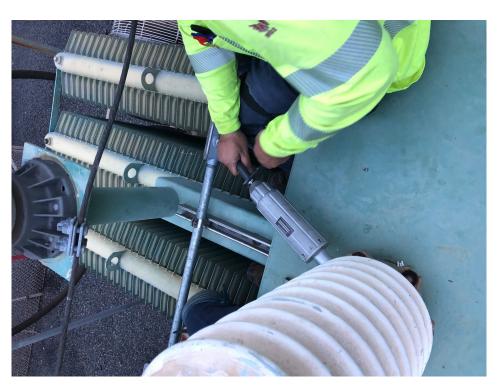
## **ECLIPSE Bushing Monitor**



TM



## **Revolutionary Concept in Bushing Monitoring Technology**

- Continuous monitoring bushing capacitance with three condition alarms:
  - ▲ Caution
  - ▲ Warning!
  - ▲ Critical !!!
- Uses Patented method to obtain the bus potential without using a station voltage transformer
- Monitors transformer and switchgear bushings from 34.5 kV to 765 kV
- Temperature compensated
- Patented fiber optically connected to the Total ECLIPSE monitor
- Features bushing tap connection for presence of the C2 capacitor



Monitor With Confidence™





## **Bushing Monitor Specifications**

C1 Bushing Capacitance Measurement Accuracy and Resolution: ± 1.0 % of Reading, 0.1 pF

C1 Capacitance Measurement Range: 100 to 2,000 pF

**Frequency Measurement Range, Accuracy and Resolution:** 47Hz to 63Hz ± 0.1Hz of reading, with 0.01Hz Resolution

 $C \in$ 

Operating Temperature Range: -50 °C to +85 °C, 95% Relative Humidity (non condensing)

**Temperature Measurement Accuracy:** ± 2 °C Full Scale

Surge Withstand/Fast Transient: Relay outputs and station battery inputs: ANSI C37.90.1

Electrostatic Discharge: IEC 801-2

Radio Inteference: IEEE Std C37.90.2-2004

EMC Directive (2004/108/EC): IEC61326-1 and CISPR-11

Number of Bushing Couplers per Module: 3

Rev 20200512 Copyright 2020 Advanced Power Technologies, LLC U.S. Patent No.: 6714022, 6222714, 7323852, 7417411, 8260472, 8274769, 9018962 9482699 and Other US & Foreign Patents Pending

## www.AdvPowerTech.com

215 State Route 10, Building 2 Randolph, NJ 07869

Randolph, NJ 07869 Phone: (973) 328-3300 Fax: (973) 328-0666