

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 ConfidenceTM



For IEEE STD™ C57.19.01 Test Taps



For 34.5 to 69 kV Test Taps

Bushing Monitor Specifications

C1 Bushing Capacitance Measurement Accuracy and Resolution: $\pm 1.0\%$ of Reading, 0.1 pF

C1 Capacitance Measurement Range: 100 to 2,000 pF

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


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

Maximum Number of Bushing Modules: 6

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U.S. Patent No.: 6714022, 6222714, 7323852, 7417411, 8260472, 8274769, 9018962 9482699 and Other
US & Foreign Patents Pending

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