



Instrument Transformers

Field Insulation Testing Guidelines for Outdoor Medium-Voltage Instrument Transformers

Technical Bulletin # 105

For outdoor medium-voltage instrument transformers rated from 5kV to 69kV, the recommended field insulation test is an insulation resistance test.

For new units, contact the factory if the following results are not obtained:

Primary winding to secondary winding/ground $\geq 100 \text{ M}\Omega$

Second winding(s) to ground $\geq 1 \text{ M}\Omega$

For units that have been in-service, contact the factory if the following results are not obtained:

Primary winding to secondary winding/ground $\geq 1 \text{ M}\Omega$

Second winding(s) to ground $\geq 0.5 \text{ M}\Omega$