



Sumatron, Inc.

Generator Rotor Shorted Turn Analyzer (RSO) Specifications

- Designed for two & four pole cylindrical rotor generators 10 – 1500 MVA
- Input voltage: 80 – 120% of 110 or 220 VAC depending on model (RSO-1=110 VAC & RSO-2=220 VAC)
- Surge protected
- 50 or 60 Hz
- Output unloaded peak voltage: 8-12 volts
- Output wave forms: Rise time, wave shape, & repetitive frequencies compatible with cylindrical rotor designs based on experience with many machines.
- Quality control: Visual, mechanical, energized for 24 hours followed by acceptance testing to prove functionality over intended range.
- Built in rotor simulator circuit allows user to verify that the instrument is working properly.
- Supported by generator experts who can provide comments on waveforms provided free of charge.
- Instruction manual is included with the instrument, but can also be downloaded free of charge directly from our website at www.sumatron.com.
- Warranty 18 months
- Oscilloscope compatibility: compatible with a wide range of commercially available 20 megahertz and higher dual trace analog and digital scopes. The scope should have the capability to invert one channel and sum the wave forms from each channel. The user should be able to change the sensitivity or volts/div of the math or summation channel without impacting the volts/div of the input channels over concern that the inputs could saturate and provide incorrect readings. Suggest using the Pico Scope (laptop converter) Model 5242D because of its high bit rate which results in smoother and less noisy traces.