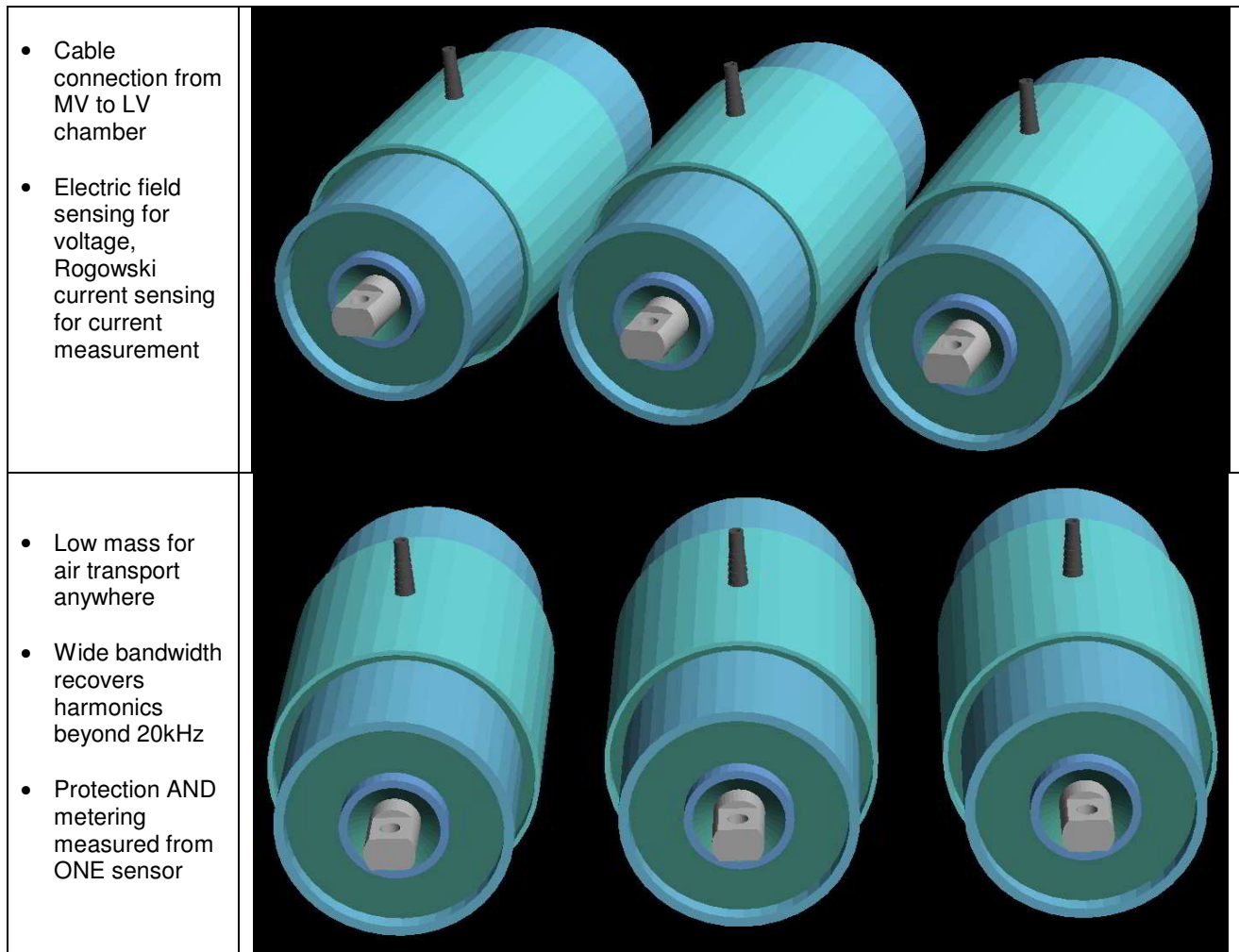


*And now simple and SAFE voltage transformers new for indoor and outdoor
High Voltage metering, protection, QOS, SCADA etc*

SURETECH CT/VT22 for 22kV For Smart Grid applications

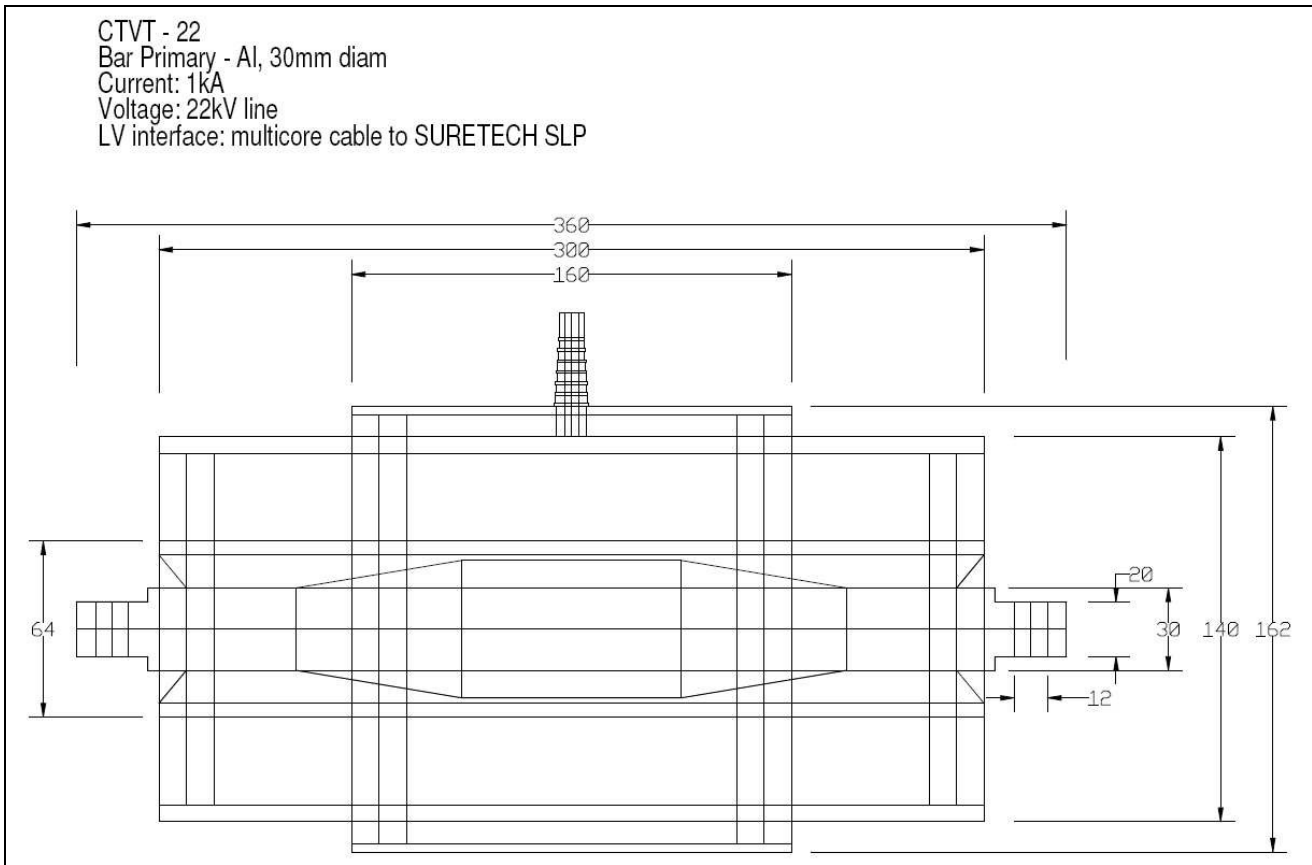
A range of medium voltage CT & VTs (Current and Voltage Transformers) with built-in transducers is now available. Wide range of VT voltage is available: 3.3kV, 6.6kV, 11kV, 22kV, & 33kV etc. These SURETECH VTs provide the power engineer with a cost effective means of measuring voltage and current on power lines, bus bars and cable terminations, with metering class performance as well as protection capability. Standard protection relays, QOS, SCADA, logging instruments etc. Ultra SAFE with out partial discharge.



General Features of CT/VT22 Sensors:


- ✓ Electric field coupled to HV source for voltage sensing
- ✓ Rogowski sensor for current sensing
- ✓ Accuracy: calibrated to 0.2%
- ✓ Withstands BIL transients
- ✓ Sensors are resin encapsulated
- ✓ Sensors are designed to operate WITHOUT breakdown WITHOUT resin ie no partial discharge
- ✓ Strain relieving boot for easy and reliable cable connection to SLP in LV chamber
- ✓ Instantaneous voltage outputs available for metering AND protection
- ✓ Any current FSD can be ordered, but typically are 1200Amps FSD for metering, and 25000Amps FSD for protection
- ✓ Wide selection of input voltage options
- ✓ Auxiliary power supply from single phase aux transformer or battery (user to specify)
- ✓ Temperature range -10C to +55C
- ✓ Patent pending

CT/VT22 Layout



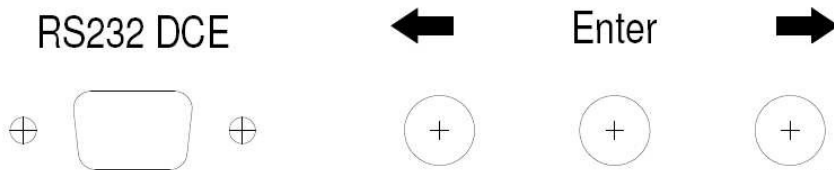
SLP Smart Load Processor human interface using LCD

SURETECH CT/VT for MV



Voltage Sensors - 22kV line [15kV to earth FSD]
Current Sensors - 1200A per phase FSD

RS232 DCE ← Enter →



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CT/VTxx Configurations:

(Enquire for other configurations)

FREQ	INPUT V	INPUT I (FOR 22KV)	OUTPUTS	AUX PS	ACCURACY
45-65Hz	CTVT3.3 CTVT6.6 CTVT11 CTVT22 CTVT33	150Amp / 5MVA 300Amp / 10MVA 600Amp / 20MVA 1200Amp / 40MVA	RS 232 / USB interface +/-10V instantaneous outputs for voltage and current Relay contacts for over / under voltage & current	100 / 250Vac 9-36Vdc 18-72Vdc	Class P (protection) Calibrated to 0.2% of FSD Field calibratable



Applications

- ✓ Metering
- ✓ Protection
- ✓ SCADA front end
- ✓ Data logging
- ✓ Tap-change control
- ✓ Switchgear Voltage Indication
- ✓ HV laboratory instrumentation
- ✓ QOS voltage, frequency, phase, harmonics, dips, brown out etc. measurements
- ✓ Phase measurements
- ✓ Single phase and three phase voltage measurements

Options available:

- ✓ Real Time Clock for stand alone data logging applications
- ✓ Transient AND normal data logging configures half the storage for transient data logging, and the other half for normal data logging
- ✓ Normal data logging enables user to select periodic logging of samples at 1S, 1m, 2m, 3m, 5m, 10m, 15m, 20m, 30m and 1hour
- ✓ Transient logging at the rate of samples every 200mS while voltage or current is out of bounds; which are settable by user - very useful to catch those spurious events, trips or brown outs.
- ✓ Porcelain insulators available for some outdoor applications
- ✓ LV enclosure contains power supply and transducer for 3phase 63.5 / 110Vac output

NOTE: Specifications can change at any time



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