

USER SPECIFICATIONS FOR MAXIMUMDEMAND INDICATOR ROGOWSKI COIL AND GSM SOFTWARE

The e-Maximum demand Indicator should have: -

1. Means of detaching both the Voltage and Current cable by means female and male sockets or slide/push in and out method with lockable provision.
2. A provision to remove and insert the cellular network card
3. Disable function for oil and temperature connection point which can be activated in future.
4. Provide a drawing for approval of all the elevations of the electronic Maximum demand indicator showing the Box cables for both Current and Voltage connections.

TECHNICAL SPECIFICATIONS FOR ROGOWSKI COIL

ITEM	DESCRIPTIONS
Coil Diameter	80mm-100mm
Current rating	20-1000Amps AC RMS
Max current measurable	3000Amps
Model	STP or NRC,
Colour Coding	Red, Yellow, Blue & Black
Measurement channels	3Ø-4 wire
Accuracy (+25 °C)	≤ 1.5 %
Operating Temperature	- 10 °C to + 55 °C
Compatible Amplifiers	SIRIUS LV / HS-LV / XHS-LV SIRIUS STG / HS-STG SIRIUS STGM DEWE 43
Bandwidth	3 A: 10 Hz to 10 kHz Others: 10 Hz to 20 kHz
Lead length	Minimum 2Metres
Coil Resistance	100-250Ω

KEY INPUTS IN THE SOFTWARE of e-Maximum demand Indicator		
No.	Description	Requirement
1	Substation Number	User to input
2	Location	User to input
3	Transformer Make	User to input
4	Serial Number	User to input
5	G-Number	User to input
6	Transformer Year of Manufacture	User to input
7	Date	Selectable on a Calendar
8	Transformer Rating (KVA)	Dropdown in steps of 5,15,25,50,100,150,200,300 & 315


9	Number of phases	Dropdown 1 or 3
10	For single phase Transformer	Program to pick either 5,15,25 KVAs then disable No.11 below
11	For Three phase Transformer	Program to pick either 50,100,200,315,630 & 1000 KVAs then disable No.10 above
12	Primary Current (Amps)	User to input
13	Primary Voltage (KV)	Dropdown in steps of 11 &33
14	Secondary Current (Amps)	User to input
15	Secondary Voltage(V)	Dropdown in steps of 242,250,415 & 420
16	Installation Type	Dropdown- Outdoor or Indoor
17	Mounting	Dropdown Pole or GMT
18	Number of Secondary cables per phase	Dropdown in steps of 1,2,3

SPECIFIC REQUIREMENTS (EVALUATION CRITERIA)

		DOCUMENTS TO BE PROVIDED						
NO	ITEM DESCRIPTION	GTP	TR	ACRD	DRWG	BR	WAR	MAF
1	e-Maximum Demand Indicator	P	p	p	P	P	P	P

KEY

- TR - Test Reports
- ACCRD - Accreditation Certificate
- DRWG - Drawings
- BR - Brochure
- WAR - Manufacturer's Warranty
- MAF - Manufacturer's Authorization Form
- GTP - Guarantee Technical Particulars
- P - Provide

	NAME	DESIGNATION	DEPARTMENT	DATE	SIGNATURE
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