|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GENERAL DATA AND INFORMATION

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Designation** |  |  | **Type of Meter :** | A1800 |
| **Manufacturer :** |  |  | **Serial No.:** |  |
| **CT Ratio :**  | 1200/1A |  | **Meter Constant:**  | Kh = 0.2 |
| **VT Ratio :**  | $${\frac{132kV}{\sqrt{3}}}/{\frac{115V}{\sqrt{3}}}$$ |  | **Wh/Imp =**  | 275520 |
| **Meter Class** | 0.2, 0.5 |  | **Standard Meter** | CALPORT 100 |

MECHANICAL CHECKS AND VISUAL INSPECTION

|  |  |  |
| --- | --- | --- |
| ITEM | DESCRIPTION | CHECKED |
| 1 | Inspect for any physical damage or defects. |  |
| 2 | Check tightness of all bolted connections. |  |
| 3 | Verify connections as per approved drawing |  |
| 4 | Check apparatus lists |  |
| 5 | Test switch / plug checked for correct function |  |

PROGRAMMED DISPLAY SEQUENCE1. **Normal Mode :**
2. VT Ratio
3. CT Ratio
4. Phase A Voltage
5. Phase A Current
6. Phase A KW
7. Phase A KVAR
8. Phase A KVA
9. Phase A Power Factor
10. Phase B Voltage
11. Phase B Current
12. Phase B KW
13. Phase B KVAR
14. Phase B KVA
15. Phase B Power Factor
16. Phase C Voltage
17. Phase C Current
18. Phase C KW
19. Phase C KVAR
20. Phase C KVA
21. Phase C Power Factor
22. Line Frequency
23. Current Billing Total KWh-Delivered
24. Current Billing Maximum KW-Delivered
25. Current Billing Total KWh-Received
26. Current Billing Maximum KW- Received
27. Current Billing Total KVARh- Delivered
28. Current Billing Maximum KVAR- Delivered
29. Current Billing Total KVARh- Received
30. Current Billing Maximum KVAR- Received
31. **Alternative Mode :**
32. Program ID
33. Current Billing Total KWh-Delivered
34. Current Billing Rate A KWh-Delivered
35. Demand Resets (All)
36. Complete LCD Test
37. **Test Mode :**

SECONDARY INJECTION:* 1. **CALIBRATION TEST**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Meter Display** | **R** | **Y** | **B** | **Remarks** |
| Voltage (kV) |  |  |  |  |
| Current (kA) |  |  |  |  |
| KW (MW) |  |  |  |  |
| KVAR (MVAR) |  |  |  |  |
| KVA (MVA) |  |  |  |  |
| Power Factor |  |  |  |  |

* 1. **ACCURACY TEST**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Injected Current** | **Applied Voltage (V)** | **Power Factor** | **% Error shown by Standard Meter** | **Remarks** |
| 0.25 | 66.4 | 0.86 |  |  |
| 0.25 | 66.4 | - 0.5 |  |  |
| 0.25 | 66.4 | - 0.86 |  |  |
| 0.25 | 66.4 | 0.5 |  |  |

* 1. **PULSE COUNT CHECK FOR 1 MINUTE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Injected Current** | **Applied Voltage (V)** | **Power Factor** | **% Error shown by Standard Meter** | **Remarks** |
| 1.2 | 66.4 | 1 |  |  |
| 1.2 | 66.4 | 0.86 |  |  |
| 1.2 | 66.4 | 0.5 |  |  |
| 1.00 | 66.4 | 1 |  |  |
| 1.00 | 66.4 | 0.86 |  |  |
| 1.00 | 66.4 | 0.5 |  |  |
| 0.8 | 66.4 | 1 |  |  |
| 0.8 | 66.4 | 0.86 |  |  |
| 0.8 | 66.4 | 0.5 |  |  |

 1. **TEST EQUIPMENTS :**
2. **Megger FREJA 300 Serial** **No**.:

**Calibration** **Date**: **Due** **Date**: 1. **CALPORT 100 Serial No**.:

**Calibration** **Date**: **Due** **Date**:  |