#### 1. GENERAL DATA AND INFORMATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Circuit ref.** | Metering |  | **Designation** | A1 + DA1 |
| **Panel No.** |  |  | **Type** |  |
| **MAKE** | CEWE |  | **Accuracy** | 0.5% of reading ± 2 |
| **Serial No.** |  |  | **CT Ratio** |  |

#### 2. MECHANICAL CHECKS AND VISUAL INSPECTION:

|  |  |  |
| --- | --- | --- |
| **ITEM** | **DESCRIPTION** | **CHECKED** |
| 1 | Inspect for any physical damage or defects. |  |
| 2 | Verify connections as per approved drawing |  |

#### 3. ELECTRICAL TESTS:

**A. Secondary Injection Test :** [ Inject a secondary current to the meter ]

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CURRENT %** | **Applied**  **Current**  **(A)** | **Observed meter reading(A)** | | | **Calculated meter reading(A)** | | | **% Error** | | | **Remarks** |
| **R** | **Y** | **B** | **R** | **Y** | **B** | **R** | **Y** | **B** |
| 25 | 0.25 |  |  |  |  |  |  |  |  |  |  |
| 50 | 0.5 |  |  |  |  |  |  |  |  |  |  |
| 75 | 0.75 |  |  |  |  |  |  |  |  |  |  |
| 100 | 1 |  |  |  |  |  |  |  |  |  |  |

% Error = (Observed meter reading-Calculated meter reading) / Full scale reading x 100.

**B. MAXIMUM DEMAND TEST :** [ Accuracy = Class 1 ] Injection Time : 5 min

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CURRENT %** | **Applied**  **Current**  **(A)** | **Observed meter reading(A)** | | | **Calculated meter reading(A)** | | | **% Error** | | | **Remarks** |
| **R** | **Y** | **B** | **R** | **Y** | **B** | **R** | **Y** | **B** |
| 100 | 1 |  |  |  |  |  |  |  |  |  |  |

Testing Equipment:

Calibration Date: Calibration Due Date: