

Approval Date: 30 November 2000

Reviewed on : 23 October 2007

Version: 2

Purpose

The pulse counter will be used during discharge measurements with 'rotating element' current meters. The revolution counter integration time will be measured with the stopwatch.

Conditions & Requirements

- The instrument shall be compatible with the environment of operation.
- The instrument shall be adequate for the application and the mode of working.
- pulse counter shall have facilities for pre-set time and pre-set pulse measurements.

Specifications

| | |
|----------------------------|--|
| digital counter | electronic counter with LCD display |
| counting frequency | ≥ 50 pulses per second, anti bounce input |
| counting range | ≥ 999 pulses |
| counting resolution | 1 pulse |

pre-set time pulse counting

| | |
|----------------------|--|
| preset ranges | ≥ 4 and infinite e.g. 30, 40, 60 and 100 |
|----------------------|--|

| | |
|---------------------------------------|--------------|
| resolution of time measurement | ≤ 0.1 s |
|---------------------------------------|--------------|

| | |
|--------------------------------|------------------------------|
| preset number of pulses | e.g. 10, 30, 60 and infinite |
|--------------------------------|------------------------------|

| | |
|------------------------------|--|
| power supply | standard dry cell(s), e.g. AA, C or D size |
| clock | quartz clock |
| display | good readability in daylight |
| operating temperature | 0 to 60°C |
| humidity | 95% |
| enclosure | rigid, portable, splash proof |

Consumables

- batteries for one year counter operation

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