

HIOKI Model 8714-01 and 8715-01 Defect Details

Erroneous current measurements when using the Hioki 3283

Affected Versions:

- 1.00 and 1.01 (released between June 2, 2000, and August 8, 2001)

Details:

- When measuring current with the Hioki 3283 Clamp-On Leakage Tester, values measured in one current range are two times larger than their actual values.
- The erroneous range is 200 A/div, and no problems occur with the other ranges.
- The erroneously doubled measurement values appear when reading values with the cursor functions, and in waveform data saved in text format.

Defect Example:

- When measuring a 100 AP-P (-100 A to +100 A) current with the 200 A/div range selected, the cursor value read at each positive peak should be about 100 A. However, before incorporating the fix, the value is twice the correct value, as shown at the left.

Before Fix: Value read at cursor = **201.5 A (Incorrect)**

After Fix: Value read at cursor = **100.75 A**

