Introduction

ProCal and ProEdit incorporate support for the RCD multiplier function when testing RCD test current.

To use this function, the following controls are available:

1. **TRIP TIME**
2. **TEST VALUE – SET AS EXPECTED VALUE FROM TESTER – EG. FOR A 30mA SI TEST SET 150mA (30mA x 5 = 150mA)**
3. **RCD MULTIPLIER**
4. **ACTUAL OUTPUT CALCULATION (BASED ON RCD MULTIPLIER)**

Setting Up a ½ I Test

For a ½ I test the **test value** should be set at the measurement range divided by 2

**Example:**
- **15mA @ ½ I = 30mA required output from 3200 calibrator with ½ I mode selected**

**Calculation:**

Output = 30mA @ 1/2 I
Setting Up a 2 I Test

For a 2 I test the test value should be set at the measurement range multiplied by 2

60mA @ 2 I = 30mA required output from 3200 calibrator with 2 I mode selected

Setting Up a 5 I Test

For a 5 I test the test value should be set at the measurement range multiplied by 2

150mA @ 5 I = 30mA required output from 3200 calibrator with 5 I mode selected

NOTE:
For 5I testing ProEdit will set 30ms test time for best results – a message will be displayed when selecting 5I mode. The Trip Time drop down list will also be fixed to 30ms and disabled.