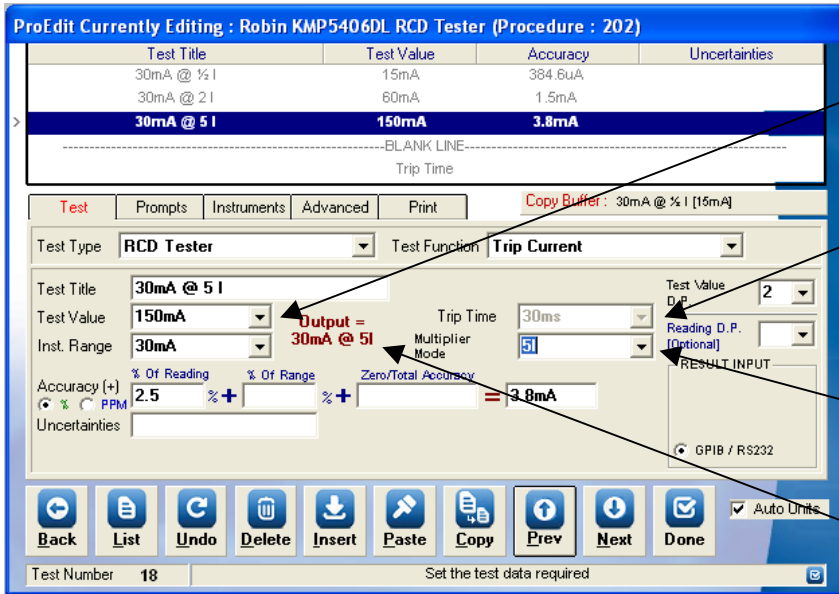


### Introduction

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

To use this function, the following controls are available :



TEST VALUE – SET AS EXPECTED VALUE FROM TESTER -  
EG. FOR A 30mA 5I TEST SET  
150mA (30mA x 5 = 150mA)

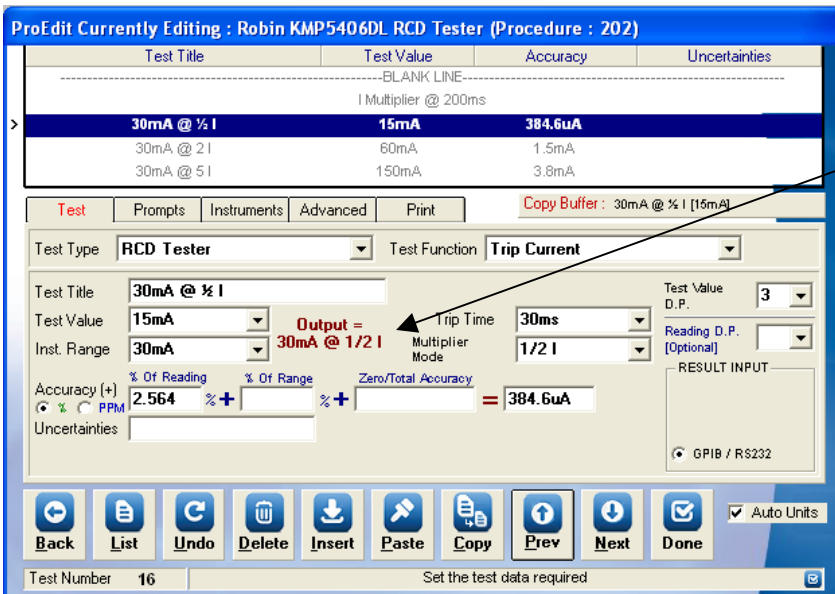
TRIP TIME

RCD MULTIPLIER

ACTUAL OUTPUT CALCULATION  
(BASED ON RCD MULTIPLIER)

### Setting Up a 1/2 I Test

For a 1/2 I test the **test value** should be set at the measurement range **divided by 2**



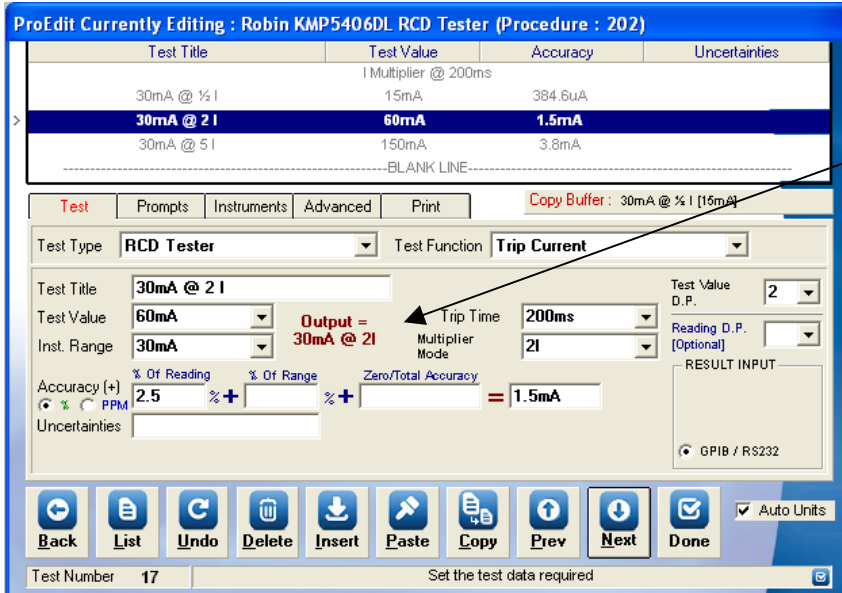
PROEDIT DISPLAYS THE CALCULATED OUTPUT VALUE (OUTPUT BY THE 3200) BASED ON THE TEST VALUE AND THE RCD MULTIPLIER

15mA @ 1/2 I = 30mA required output from 3200 calibrator with 1/2 I mode selected

**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**



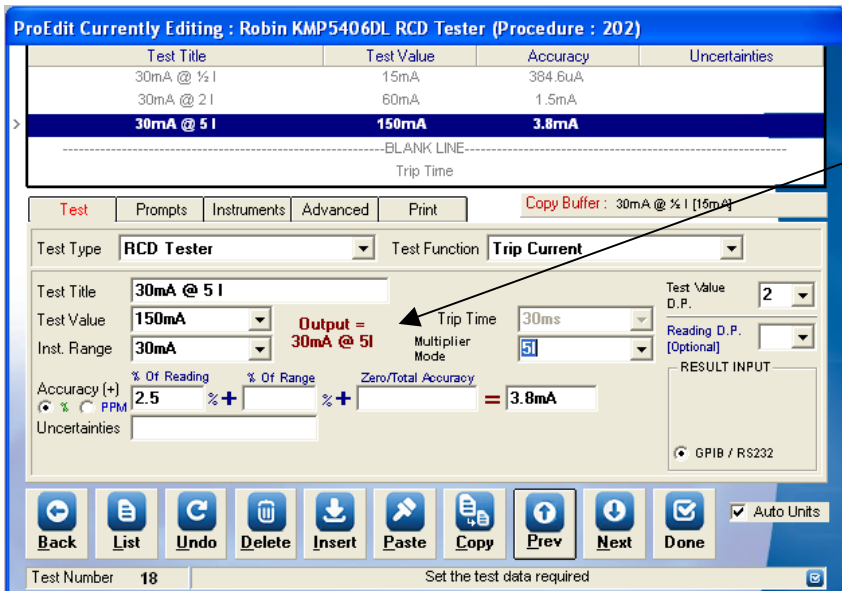
PROEDIT DISPLAYS THE CALCULATED OUTPUT VALUE (OUTPUT BY THE 3200) BASED ON THE TEST VALUE AND THE RCD MULTIPLIER

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

**Output = 30mA @ 2I**

### Setting Up a 5 I Test

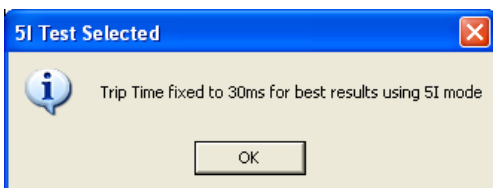
For a 5 I test the **test value** should be set at the measurement range **multiplied by 2**



PROEDIT DISPLAYS THE CALCULATED OUTPUT VALUE (OUTPUT BY THE 3200) BASED ON THE TEST VALUE AND THE RCD MULTIPLIER

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

**Output = 30mA @ 5I**



**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