



# PROEDIT

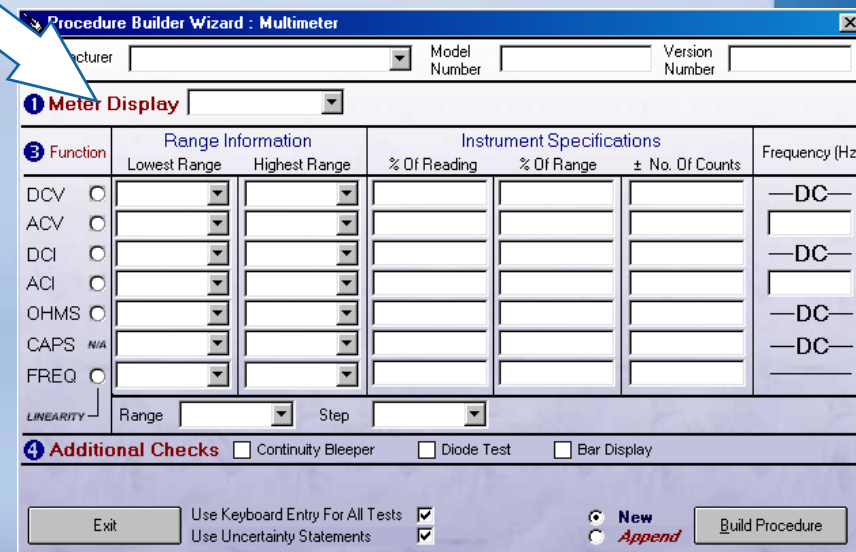
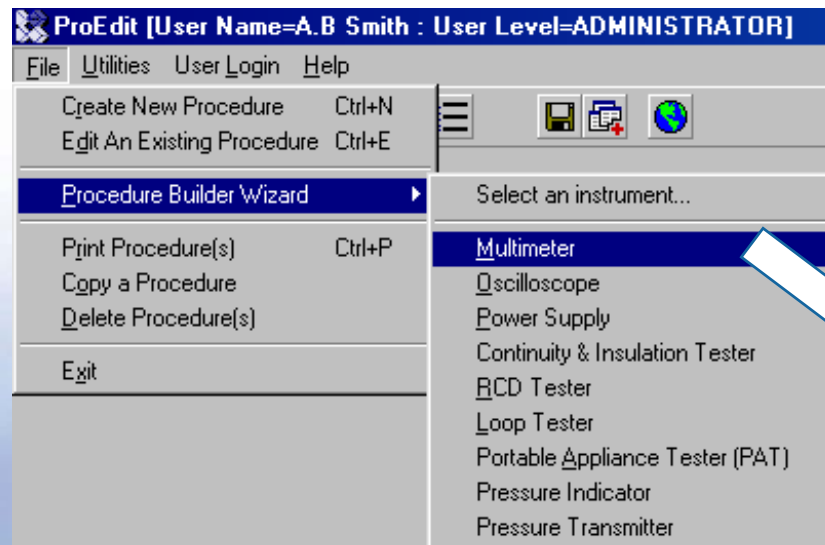
WRITING A PROCEDURE  
USING THE BUILT-IN  
PROCEDURE WIZARD

# ProEdit :: Writing a Procedure

## Step 1

→ Start ProEdit

→ Select File → Procedure Builder Wizard → Multimeter



# ProCal :: Writing a Procedure

## Step 2

→ Enter Manufacturer, Model Number and Version number

→ Select Meter Display as 3999  
The actual test value is set as 3900  
(to ensure over range is not reached)

The screenshot shows the 'Procedure Builder Wizard: Multimeter' window. At the top, the Manufacturer is set to 'MOTECHE', Model Number to 'MIC39', and Version Number to '1.00'. Below this, the 'Meter Display' is set to '3999' and the 'Actual Test Value' is set to '3900'. The main table lists various functions with their respective range and specification settings. The 'Additional Checks' section includes options for 'Continuity Bleeper', 'Diode Test', and 'Bar Display'. At the bottom, there are checkboxes for 'Use Keyboard Entry For All Tests' and 'Use Uncertainty Statements', and radio buttons for 'New' and 'Append'.

| Function                | Range Information |               | Instrument Specifications |            |                 | Frequency (Hz) |
|-------------------------|-------------------|---------------|---------------------------|------------|-----------------|----------------|
|                         | Lowest Range      | Highest Range | % Of Reading              | % Of Range | ± No. Of Counts |                |
| DCV                     |                   |               |                           |            |                 | —DC—           |
| ACV                     |                   |               |                           |            |                 |                |
| DCI                     |                   |               |                           |            |                 | —DC—           |
| ACI                     |                   |               |                           |            |                 |                |
| OHMS                    |                   |               |                           |            |                 | —DC—           |
| CAPS <small>N/A</small> |                   |               |                           |            |                 | —DC—           |
| FREQ                    |                   |               |                           |            |                 |                |

LINEARITY | Range | Step

4 Additional Checks  Continuity Bleeper  Diode Test  Bar Display

Exit Use Keyboard Entry For All Tests  Use Uncertainty Statements   New  Append Build Procedure

# ProCal :: Writing a Procedure

## Step 3

- For DC Voltage select the Lowest range as 400mV
- Select 1000V for the highest range – this will be edited after the wizard has finished to change this to 600V
- Enter the specification as detailed in the manufacturer handbook (shown below)

Procedure Builder Wizard : Multimeter

Manufacturer **MOTTECH** Model Number **MIC39** Version Number **1.00**

1 Meter Display **3999** 2 Actual Test Value **3900** x1

| 3 Function                            | Range Information |               | Instrument Specifications |            |                 | Frequency (Hz) |
|---------------------------------------|-------------------|---------------|---------------------------|------------|-----------------|----------------|
|                                       | Lowest Range      | Highest Range | % Of Reading              | % Of Range | ± No. Of Counts |                |
| DCV <input checked="" type="radio"/>  | <b>400mV</b>      | <b>1000V</b>  | <b>0.3</b>                |            | <b>3</b>        | —DC—           |
| ACV <input type="radio"/>             |                   |               |                           |            |                 |                |
| DCI <input type="radio"/>             |                   |               |                           |            |                 | —DC—           |
| ACI <input type="radio"/>             |                   |               |                           |            |                 |                |
| OHMS <input type="radio"/>            |                   |               |                           |            |                 |                |
| CAPS <i>N/A</i> <input type="radio"/> |                   |               |                           |            |                 |                |
| FREQ <input type="radio"/>            |                   |               |                           |            |                 |                |

LINEARITY Range Step

4 Additional Checks  Continuity Bleeper  Diode Test  Bar D

Exit Use Keyboard Entry For All Tests  Use Uncertainty Statements

| Range | Input | Accuracy | Protection            |
|-------|-------|----------|-----------------------|
| 400mV | 1mV   | 0.3% -3  | DC 600V<br>AC 600Vrms |
| 4V    | 10mV  |          |                       |
| 40V   | 100mV |          |                       |
| 400V  | 1V    |          |                       |

# ProCal :: Writing a Procedure

## Step 4

- To create a *linearity* section on the 40V range in 10V steps :
- To set linearity for DC Voltage, click on the option next to the DCV title
- In the range drop down list, select 40V
- In the step drop down list, select 10V

| 3 Function                                    | Range Information |               | Instrument Specifications |            |                 | Frequency (Hz) |
|---|-------------------|---------------|---------------------------|------------|-----------------|----------------|
|   | Lowest Range      | Highest Range | % Of Reading              | % Of Range | ± No. Of Counts |                |
| DCV <input checked="" type="radio"/>          | 40mV              | 1000V         | 3                         |            | 3               | —DC—           |
| ACV <input type="radio"/>                     |                   |               |                           |            |                 |                |
| DCI <input type="radio"/>                     |                   |               |                           |            |                 | —DC—           |
| ACI <input type="radio"/>                     |                   |               |                           |            |                 |                |
| OHMS <input type="radio"/>                    |                   |               |                           |            |                 | —DC—           |
| CAPS <small>N/A</small> <input type="radio"/> |                   |               |                           |            |                 | —DC—           |
| FREQ <input type="radio"/>                    |                   |               |                           |            |                 |                |

LINEARITY — Range: [40V] Step: [10V]

4 Additional Ch... [40mV] [400mV] [4V] [40V] [400V] [1000V] [1mV] [10mV] [100mV] [1V] [10V] [100V]

Exit [Build Procedure]  New  Append



Linearity can be set for one specific function only

# ProCal :: Writing a Procedure

## Step 5

→ Complete any other functions to add these tests to the procedure – note for ACV and ACI a frequency can also be entered.

| Function                                      | Range Information |               | Instrument Specifications |            |                 | Frequency (Hz) |
|---|-------------------|---------------|---------------------------|------------|-----------------|----------------|
|   | Lowest Range      | Highest Range | % Of Reading              | % Of Range | ± No. Of Counts |                |
| DCV <input checked="" type="radio"/>          | 400mV             | 1000V         | 0.3                       |            | 3               | —DC—           |
| ACV <input type="radio"/>                     |                   |               |                           |            |                 |                |
| DCI <input type="radio"/>                     |                   |               |                           |            |                 | —DC—           |
| ACI <input type="radio"/>                     |                   |               |                           |            |                 |                |
| OHMS <input type="radio"/>                    |                   |               |                           |            |                 |                |
| CAPS <small>N/A</small> <input type="radio"/> |                   |               |                           |            |                 | —DC—           |
| FREQ <input type="radio"/>                    |                   |               |                           |            |                 |                |

# ProCal :: Writing a Procedure

## Step 6

Additional pass/fail checks can be performed on the following :

- Continuity beeper
- Diode test
- Bar Display

**Procedure Builder Wizard : Multimeter**

Manufacturer **MOTTECH** Model Number **MIC39** Version Number **1.00**

**1 Meter Display** 3999 **2 Actual Test Value** 3900 x1

| 3 Function                                    | Range Information |               | Instrument Specifications |            |                 | Frequency (Hz) |
|---|-------------------|---------------|---------------------------|------------|-----------------|----------------|
|   | Lowest Range      | Highest Range | % Of Reading              | % Of Range | ± No. Of Counts |                |
| DCV <input checked="" type="radio"/>          | 400mV             | 1000V         | 3                         |            | 3               | —DC—           |
| ACV <input type="radio"/>                     |                   |               |                           |            |                 |                |
| DCI <input type="radio"/>                     |                   |               |                           |            |                 | —DC—           |
| ACI <input type="radio"/>                     |                   |               |                           |            |                 |                |
| OHMS <input type="radio"/>                    |                   |               |                           |            |                 | —DC—           |
| CAPS <small>N/A</small> <input type="radio"/> |                   |               |                           |            |                 | —DC—           |
| FREQ <input type="radio"/>                    |                   |               |                           |            |                 |                |

LINEARITY Range **40V** Step **10V**

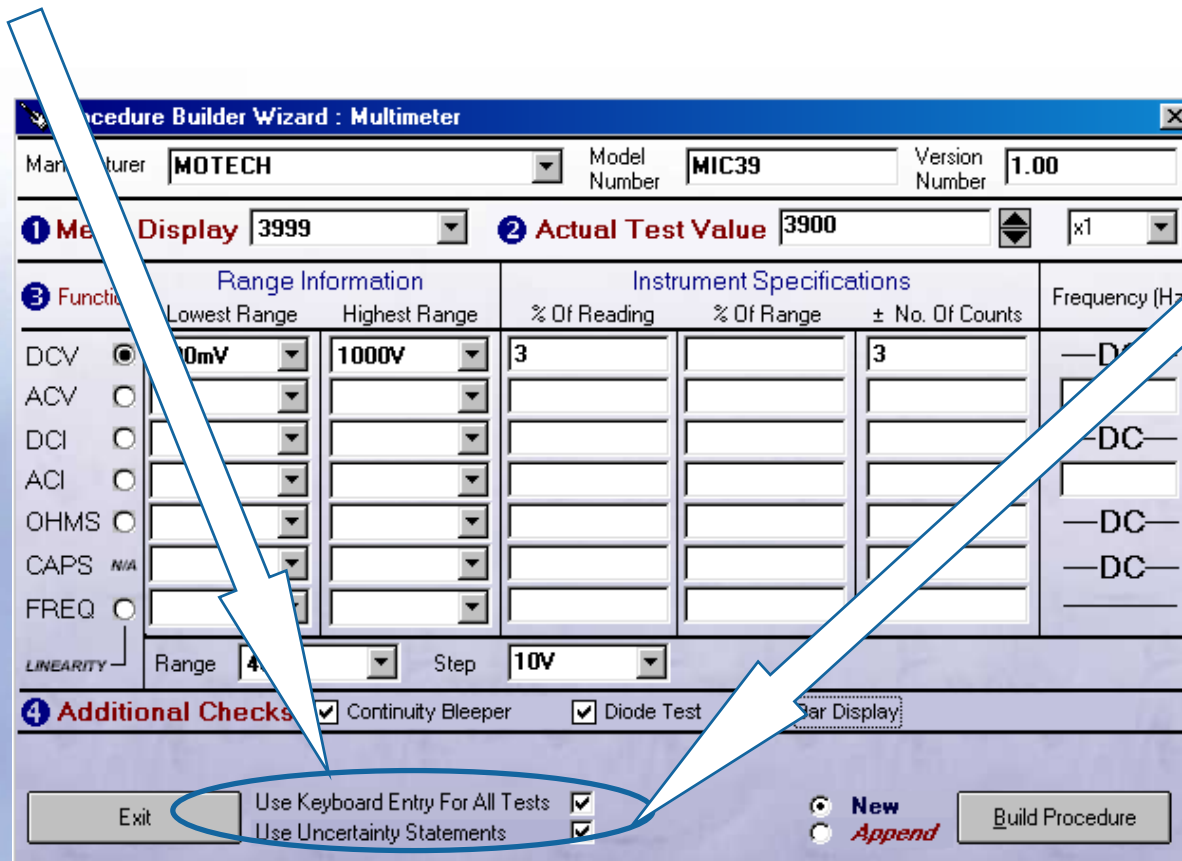
**4 Additional Checks**  Continuity Bleeper  Diode Test  Bar Display

Exit Use Keyboard Entry For All Tests  Use Uncertainty Statements   New  Append Build Procedure

# ProCal :: Writing a Procedure

## Step 7

The reading input method is set to keyboard entry as default (this is the most suitable for digital multimeters) – if the multimeter is analogue, this can be de-selected and the procedure will be set to deviate the calibrator.



The Use Uncertainty Statements option will automatically select the correct uncertainty statements for the procedure, based on the functions selected.



# ProCal :: Writing a Procedure

## Step 8

Click on the **Build Procedure** button to proceed

Procedure Builder Wizard : Multimeter

Manufacturer: **MOTECH** Model Number: **MIC39** Version Number: **1.00**

1 Meter Display: **3999** 2 Actual Test Value: **3900** x1

| 3 Function                                    | Range Information |               | Instrument Specifications |          |                 | Frequency (Hz) |
|---|-------------------|---------------|---------------------------|----------|-----------------|----------------|
|   | Lowest Range      | Highest Range | % Of Reading              | % Change | ± No. Of Counts |                |
| DCV <input checked="" type="radio"/>          | <b>400mV</b>      | <b>1000V</b>  | <b>3</b>                  |          | <b>3</b>        | —DC—           |
| ACV <input type="radio"/>                     |                   |               |                           |          |                 |                |
| DCI <input type="radio"/>                     |                   |               |                           |          |                 | —DC—           |
| ACI <input type="radio"/>                     |                   |               |                           |          |                 |                |
| OHMS <input type="radio"/>                    |                   |               |                           |          |                 | —DC—           |
| CAPS <small>N/A</small> <input type="radio"/> |                   |               |                           |          |                 | —DC—           |
| FREQ <input type="radio"/>                    |                   |               |                           |          |                 |                |

LINEARITY Range: **40V** Step: **10V**

4 Additional Checks  Continuity Bleeper  Diode Test  Bar Display

Exit Use Keyboard Entry For All Tests  Use Uncertainty Statements   **New**  *Append* **Build Procedure**



When this message appears click **No** to close the screen or **Yes** to create another procedure

ProEdit

? Auto create another procedure?

Yes No

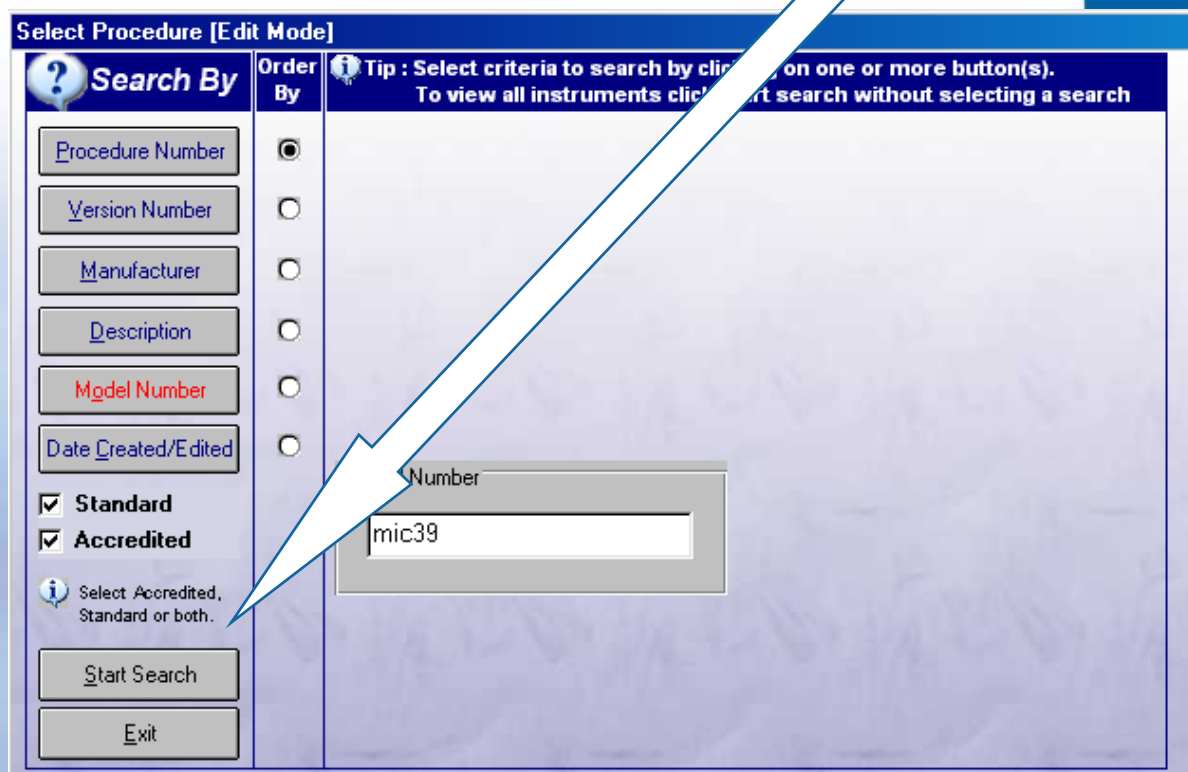
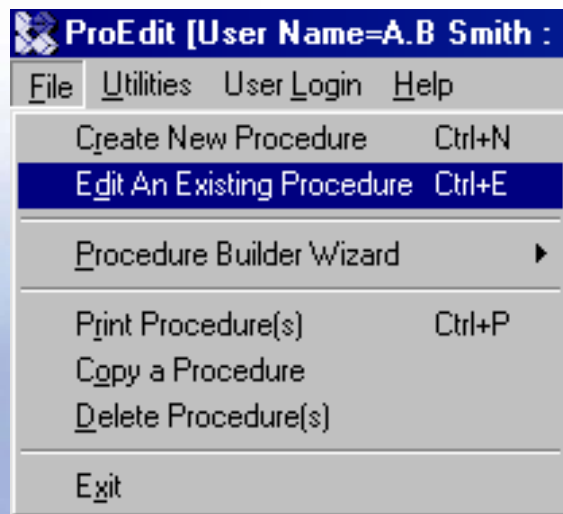
# ProCal :: Modifying a Procedure

## Step 1

Now the procedure has been created, in this case it needs the DCV highest range edited to be 600V instead of 1000V.

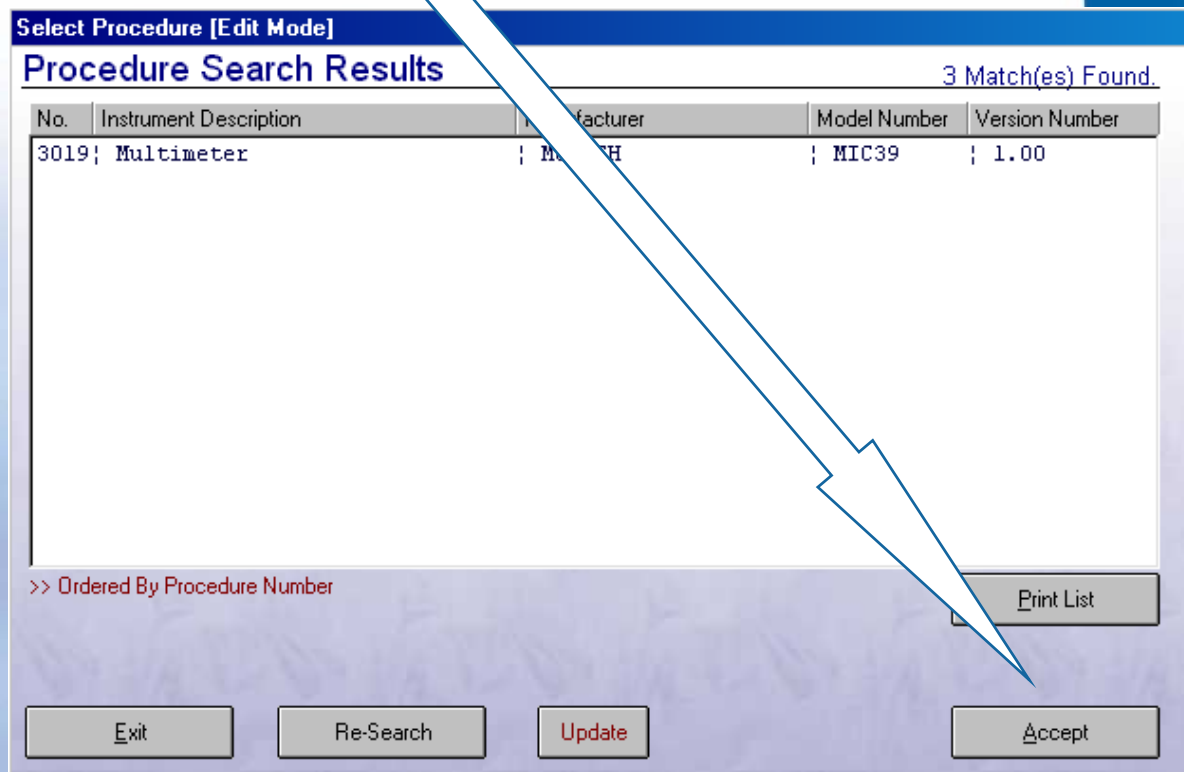
→ Select File > Edit An Existing Procedure

→ Select Model Number and enter MIC39, then click Start Search



## ProCal :: Modifying a Procedure Step 2

→ The MIC39 procedure will be listed, select and click Accept



# ProCal :: Modifying a Procedure

## Step 3

→ The procedure instrument information screen will be displayed – click Next to continue.

**Procedure Instrument Information (Proc 3019)**

Instrument Description: **Multimeter** Manufacturer: **NOTECH**

Model Number: **MIC39** Version Number: **1.00** Certificate Type: **Standard Certificate** Date Created / Edited: **31/08/2005** Last Used:

Notes:  Report Filename:

Comment Line 1: **Instrument was allowed to stabilise before calibration** Print Options:  % of Spec.  Pass / Fail

Column Headings: **Reset To Default** Pricing: **Applied Value** Price / Stock Code:

Applied Value Title: **Applied Value** Tolerance Title: **Tolerance** Reading Title: **Reading** **Find Stock Code**

**Exit** **Print Procedure** **View Technical File** **Next >>**

**Procedure Instrument Information (Proc 3019)**

**Uncertainty Statements**  
Please select the uncertainty statements required to be printed on the certificate (note : these will not be printed if the procedure uses individual uncertainties for each test).

|                    |                       |                     |                           |
|--------------------|-----------------------|---------------------|---------------------------|
| Uncertainty Line 1 | <b>1 : DC Voltage</b> | Uncertainty Line 6  | <b>6 : Capacitance</b>    |
| Uncertainty Line 2 | <b>2 : AC Voltage</b> | Uncertainty Line 7  | <b>10 : Frequency</b>     |
| Uncertainty Line 3 | <b>3 : DC Current</b> | Uncertainty Line 8  | <b>** Not Selected **</b> |
| Uncertainty Line 4 | <b>4 : AC Current</b> | Uncertainty Line 9  | <b>** Not Selected **</b> |
| Uncertainty Line 5 | <b>5 : Resistance</b> | Uncertainty Line 10 | <b>** Not Selected **</b> |

**Traceable Calibration Instruments**  
Please select the traceable instruments required to be used for calibration. These will be printed on the certificate cover sheet (note : these instruments will not be printed on UKAS certificates).

|              |                           |              |  |
|--------------|---------------------------|--------------|--|
| Instrument 1 | <b>** Not Selected **</b> | Instrument 6 | <b>** Not Selected **</b>  |
| Instrument 2 | <b>** Not Selected **</b> | Instrument 7 | <b>** Not Selected **</b>  |
| Instrument 3 | <b>** Not Selected **</b> | Instrument 8 | <b>** Not Selected **</b>  |
| Instrument 4 | <b>** Not Selected **</b> | Instrument 9 | <b>Reserved For Unit Under Test</b> <input type="checkbox"/> <b>Enable</b> |
| Instrument 5 | <b>** Not Selected **</b> |              |  |

**<< Back** **View Technical File** **Next >>**

→ Uncertainty statements & traceable instruments screen will be displayed – click Next to continue.

# ProCal :: Modifying a Procedure

## Step 4

→ Click the Show All button – a scrollable list will display all the procedure tests – select test 11 (1000V D.C. Range) then click OK

The screenshot shows the ProEdit software interface for editing a procedure for a MOTECH MIC39 Multimeter. The main window displays a table of tests under the heading 'General Operation Tests'. Below this, there are buttons for 'Test', 'Prompts', 'Instruments', 'Advanced', and 'Print'. A 'Test Type' dropdown menu is set to 'Certificate Format'. At the bottom, there are navigation buttons: '< Back', 'Show All', 'Print', 'Insert', 'Paste', 'Copy', '↑ Previous', and '↓ Next'. A 'Test Number' field shows '1'. A 'Test List' dialog box is open, displaying a scrollable list of tests. Test 11, '1000V D.C. Range', is highlighted. The dialog box also has 'Print Procedure', 'Cancel', and 'O.K.' buttons.

| No. | Test Title                           | Test Value | Accuracy | Uncertainty |
|-----|--------------------------------------|------------|----------|-------------|
| 1   | TITLE LINE : General Operation Tests |            |          |             |
| 2   | Continuity Bleeper                   | YES        |          |             |
| 3   | Diode Test                           | YES        |          |             |
| 4   | Bar Display                          | YES        |          |             |
| 5   | -----BLANK LINE-----                 |            |          |             |
| 6   | TITLE LINE : DC Voltage              |            |          |             |
| 7   | 400mW D.C. Range                     | 390.0mV    | 12mV     |             |
| 8   | 4V D.C. Range                        | 3.900V     | 120mV    |             |
| 9   | 40V D.C. Range                       | 39.00V     | 1.2V     |             |
| 10  | 400V D.C. Range                      | 390.0V     | 12V      |             |
| 11  | 1000V D.C. Range                     | 600V       | 21V      |             |
| 12  | -----BLANK LINE-----                 |            |          |             |
| 13  | TITLE LINE : Linearity               |            |          |             |
| 14  | 40V Linearity                        | -30V       | 930mV    |             |
| 15  | 40V Linearity                        | -20V       | 630mV    |             |
| 16  | 40V Linearity                        | -10V       | 330mV    |             |
| 17  | 40V Linearity                        | 0V         | 30mV     |             |
| 18  | 40V Linearity                        | 10V        | 330mV    |             |
| 19  | 40V Linearity                        | 20V        | 630mV    |             |

# ProCal :: Modifying a Procedure

## Step 5

- This test needs to be changed from 1000V (as set by the wizard) to 600V as per the Motech specification
- Change the test title, the test value and the Inst. Range boxes to 600V

ProEdit Currently Editing : MOTECH MIC39 Multimeter (Procedure : 3019)

| Test Title              | Test Value   | Accuracy  | Uncertainties |
|-------------------------|--------------|-----------|---------------|
| 40V D.C. Range          | 39.00V       | 1.2V      |               |
| 400V D.C. Range         | 390.0V       | 12V       |               |
| <b>1000V D.C. Range</b> | <b>1000V</b> | <b>6V</b> |               |

-----BLANK LINE-----  
Linearity

Test Type: **Meter** Test Function: **D.C. V**

Test Title: **1000V D.C. Range**  
Test Value: **1000V**  
Inst. Range: **1000V**

Accuracy (+): 0.3 % + [ ] % + [ ] + 3 = 6V

Test Title: **600V D.C. Range**  
Test Value: **600V**  
Inst. Range: **600V**

Accuracy (+): 0.3 % + [ ] % + [ ] + 3 = 4.8V

RESULT INPUT:  
 Keyboard (manual)  
 Keyboard (deviate)  
Calibrator

Auto Units:

Test Number: **11** Enter the percentage of test value in this box [ ]

**Note : The accuracy automatically recalculates based on the change of test value**

# ProEdit :: Additional Procedure Builders

ProEdit provides additional procedure builder wizards for the following types of instrument :



These wizards are designed to automate as much as possible the writing of a procedure.

The wizard will allow 95% of the hard work to be done automatically, with only minor changes required to ranges / accuracies where necessary.

# ProEdit :: Oscilloscope Procedure Builder

This function provides automatic creation of Oscilloscope procedures, including the following functions :

- General operation checks (pass/fail type tests)
- Amplitude
- Timebase
- Bandwidth (frequency sweep)

The procedure builder allows the Setup of multiple channels using Either number of letter channel Identifiers e.g. Channel A,B,C etc or Channel 1,2,3 etc.

The procedure can be configured to use uncertainty statements or to Implement the automatic uncertainty calculation system.



**OSCILLOSCOPE**



# ProEdit :: Power Supply Procedure Builder

This function provides automatic creation of power supply procedures, including the following functions :

- Voltage ranges – with custom step size
- Current ranges – with custom step sizes
- 2 Fixed output function tests
- Output resistance test



**POWER SUPPLY**

The procedure can be configured to use the Transmille power supply calibration adaptor (recommended as this provides all the required functionality including a built in current load).

Use of a normal multimeter for voltage Readings and General type tests for current measurements (obtained using other methods) is also supported.

**Procedure Builder Wizard : Power Supply Unit**

Manufacturer: [ ] Model Number: [ ] Version Number: [ ]

**1 Voltage Full Scale** [ ] V

**2 Step Size** [ ] V

**3 No. of Decimal Places** [ ]

**4 Accuracy**  
% Of Reading [ ] % Of Range [ ] ± Absolute (mV) [ ]

**5 Fixed Output Tests**  
Output 1 [ ] V  
Output 2 [ ] V

**6 Current Full Scale** [ ] A

**7 Step Size** [ ] A

**8 No. of Decimal Places** [ ]

**9 Accuracy**  
% Of Reading [ ] % Of Range [ ] ± Absolute (mA) [ ]

**10 Output Resistance Tests**  
 Output Resistance Test [100mR]

**11 General Tests**  
 Meter Check  Indicators & Controls Check

**12 Readback Device**  PSU Adaptor  System DMM

**13 PSU Type**  Single  Dual

Exit Use Uncertainty Statements   New  Append Build Procedure

# ProEdit :: Insulation Tester Procedure Builder

- This function provides automatic creation of insulation tester
- procedures, including the following functions :
  - Continuity resistance
  - Continuity test current
  - Insulation resistance
  - Insulation test voltage
  - AC voltage measurement
  - General operation checks
- This procedure requires use of a
- Transmille 2100 Electrical Test
- Equipment Calibrator.



Procedure Builder Wizard : Continuity & Insulation Tester

Manufacturer: [ ] Model Number: [ ] Version Number: [ ]

|  |   |
|--|---|
| <b>1 Continuity Resistance</b><br><input checked="" type="checkbox"/> 0.5R <input checked="" type="checkbox"/> 10R<br><input checked="" type="checkbox"/> 1R <input checked="" type="checkbox"/> 100R<br><input checked="" type="checkbox"/> 2R <input checked="" type="checkbox"/> 1kR<br><input checked="" type="checkbox"/> 5R<br><br>Accuracy:<br>% Of Reading    ± Absolute (R)<br>[ ]                [ ] | <b>3 Insulation Resistance</b><br>Resistances will be checked at each voltage as set in the Insulation Test Voltage section<br><input checked="" type="checkbox"/> 1MR <input checked="" type="checkbox"/> 20MR <input checked="" type="checkbox"/> 200MR<br><input checked="" type="checkbox"/> 5MR <input checked="" type="checkbox"/> 50MR <input checked="" type="checkbox"/> 500MR<br><input checked="" type="checkbox"/> 10MR <input checked="" type="checkbox"/> 100MR <input checked="" type="checkbox"/> 1GR<br><br>Accuracy:<br>% Of Reading    ± Absolute (kR)<br>[ ]                [ ] |
| <b>2 Continuity Test Current @ 1R</b><br>100mA [ ]   | <b>4 Insulation Test Voltage @ 1mA</b><br><input checked="" type="checkbox"/> 50V <input checked="" type="checkbox"/> 250V <input checked="" type="checkbox"/> 1kV<br><input checked="" type="checkbox"/> 100V <input checked="" type="checkbox"/> 500V   |
| <b>5 AC Voltage Measurement</b><br><input checked="" type="checkbox"/> 100V <input checked="" type="checkbox"/> 200V <input checked="" type="checkbox"/> 230V<br><input checked="" type="checkbox"/> 300V <input checked="" type="checkbox"/> 400V   | <b>6 General Tests</b><br><input checked="" type="checkbox"/> Controls & Display <input checked="" type="checkbox"/> Continuity Beeper<br><input checked="" type="checkbox"/> Bar Display <input checked="" type="checkbox"/> Battery Test  |

Exit    Use Uncertainty Statements      New     Append    Build Procedure

# ProEdit :: RCD Tester Procedure Builder

- This function provides automatic creation of RCD tester procedures, including the following functions :
- Trip current tests
- Trip current multiplier tests @ 1/2, 2 & 5I
- Trip time tests
- Additional checks (including mains voltage)
- This procedure requires use of a Transmille 3200 Electrical Test Equipment Calibrator.



Procedure Builder Wizard : RCD Tester

Manufacturer  Model Number  Version Number

**1 Trip Current Tests @ 200ms**

3mA  10mA  50mA  250mA  
 5mA  15mA  100mA  300mA  
 6mA  30mA  150mA  500mA

**2 Current Multiplier Tests 30mA @ 200ms**

1/2 I  
 2 I  
 5 I

**3 Trip Time Tests**

30ms @ 150mA  200ms @ 30mA  
 500ms @ 30mA  
 1000ms @ 30mA

**4 Additional Checks**  Mains Voltage Accuracy  $\pm$   V  P-E / P-N Indicator Check  Display & Controls Check   $\pm$  180° Check

Use Uncertainty Statements  New  Append

# ProEdit :: PAT Procedure Builder

- This function provides automatic creation of
- Portable Appliance Tester procedures,
- including the following functions :
  - Earth Bond (including linearity)
  - Insulation Resistance
  - Leakage Current
  - Flash (Class 1 & 2)
  - Load Tests (0.13kVA & S/C)
- This procedure requires use of a
- Transmille 2100 Electrical Test
- Equipment Calibrator.



Procedure Builder Wizard : Portable Appliance Tester (PAT)

Manufacturer  Model Number  Version Number

|  |  |  |
|--|--|--|
| <b>1 Earth Bond Function</b><br><b>Current</b><br><input type="checkbox"/> 25A<br><input type="checkbox"/> 12A<br><input type="checkbox"/> 10A<br><input type="checkbox"/> 8A<br><input type="checkbox"/> 6A<br><input type="checkbox"/> 4A<br><input type="checkbox"/> 100mA<br><b>Accuracy (Current)</b><br>30 % Of Reading<br><b>Accuracy (Resistance)</b><br><input type="text"/> % Of Reading<br><input type="text"/> ± Ohms<br><input type="button" value="Advanced"/> | <b>2 Insulation Resistance</b><br><input checked="" type="checkbox"/> 1MΩ<br><input checked="" type="checkbox"/> 7MΩ<br><input checked="" type="checkbox"/> 9MΩ<br><input checked="" type="checkbox"/> 15MΩ<br><input checked="" type="checkbox"/> 19MΩ<br><b>Accuracy</b><br><input type="text"/> % Of Reading<br><input type="text"/> ± k Ohms | <b>3 Leakage Current</b><br><input checked="" type="checkbox"/> 2mA<br><input checked="" type="checkbox"/> 5mA<br><input checked="" type="checkbox"/> 7mA<br><b>Accuracy</b><br><input type="text"/> % Of Reading<br><input type="text"/> ± mA |
| <b>4 Flash Tests</b><br><input checked="" type="checkbox"/> Class 1<br><input checked="" type="checkbox"/> Class 2<br><b>Accuracy (Current)</b><br><input type="text"/> % Of Reading<br><input type="text"/> ± mA<br><b>Accuracy (Voltage)</b><br>30 % Of Reading  | <b>5 General Tests</b><br><input checked="" type="checkbox"/> Load Tests<br>S/C & 0.13kVA<br><input checked="" type="checkbox"/> Controls & Display  |  |

Use Uncertainty Statements   New  Append

# ProEdit :: Loop Tester Procedure Builder

- This function provides automatic creation of Loop tester procedures, including the following functions :
- Loop resistance (up to 3 ranges)
- General checks
- This procedure requires use of a Transmille 3200 Electrical Test Equipment Calibrator.



LOOP TESTER

Procedure Builder Wizard : Loop Tester

Manufacturer  Model Number  Version Number

**1 Loop Resistance Tests** Tip : For each range, select the resolution and resistance ranges to be tested. To enable the 2nd & 3rd ranges, select the range first.

| Range                | Resolution           | Resistance                                |
|----------------------|----------------------|---|
| <input type="text"/> | <input type="text"/> | <input checked="" type="checkbox"/> 0Ω    |
| <input type="text"/> | <input type="text"/> | <input checked="" type="checkbox"/> 0.05Ω |
| <input type="text"/> | <input type="text"/> | <input checked="" type="checkbox"/> 0.1Ω  |
| <input type="text"/> | <input type="text"/> | <input checked="" type="checkbox"/> 0.22Ω |
| <input type="text"/> | <input type="text"/> | <input checked="" type="checkbox"/> 0.5Ω  |
| <input type="text"/> | <input type="text"/> | <input checked="" type="checkbox"/> 1Ω    |
| <input type="text"/> | <input type="text"/> | <input checked="" type="checkbox"/> 5Ω    |
| <input type="text"/> | <input type="text"/> | <input checked="" type="checkbox"/> 10Ω   |
| <input type="text"/> | <input type="text"/> | <input checked="" type="checkbox"/> 100Ω  |
| <input type="text"/> | <input type="text"/> | <input checked="" type="checkbox"/> 1000Ω |

Select All  Select None

**2 Additional Tests**

Indicator Check  
 Display Check  
 Controls Check

**3 Loop Tester Specifications**

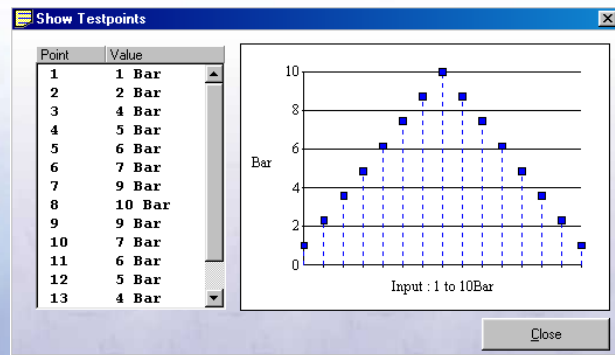
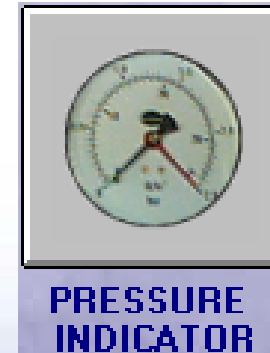
% Of Reading   
% Of Range   
± Counts

Exit  Use Uncertainty Statements   New  Append  Build Procedure

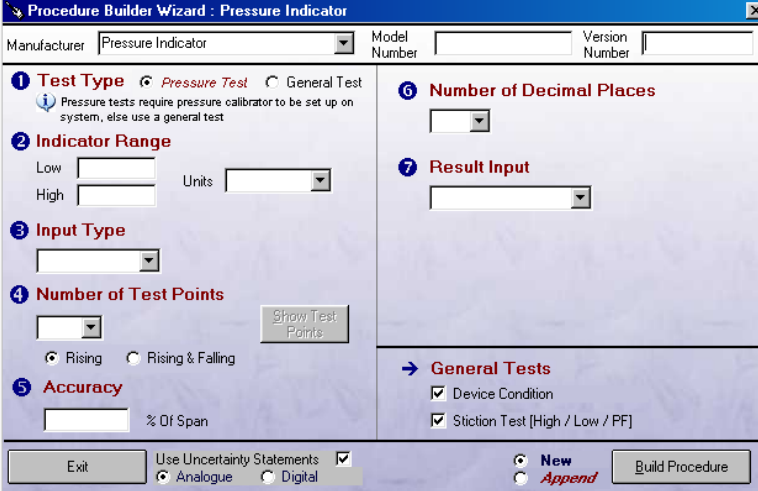
# ProEdit :: Pressure Indicator Procedure Builder

This function provides automatic creation of pressure Indicator procedures.

Tests are set up as a pressure span (min/max) with test points automatically determined and displayed graphically :



Tests can be set to use a Druck 515 pressure calibrator or to use General type tests for manual data entry.



Procedure Builder Wizard : Pressure Indicator

Manufacturer: Pressure Indicator | Model Number: | Version Number: |

1 Test Type:  Pressure Test  General Test  
Pressure tests require pressure calibrator to be set up on system, else use a general test

2 Indicator Range: Low: | High: | Units: |

3 Input Type: |

4 Number of Test Points: |

Rising  Rising & Falling

5 Accuracy: | % Of Span

6 Number of Decimal Places: |

7 Result Input: |

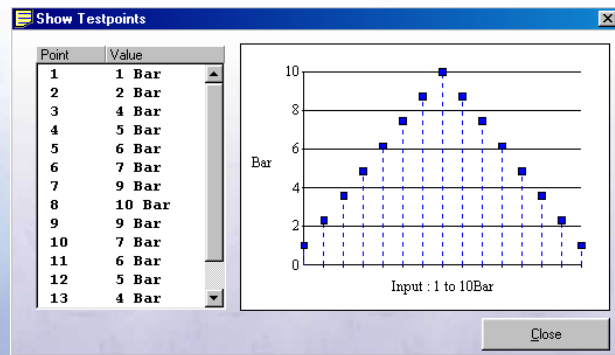
General Tests:  
 Device Condition  
 Stiction Test [High / Low / PF]

Exit | Use Uncertainty Statements  |  Analogue  Digital |  New  Append |

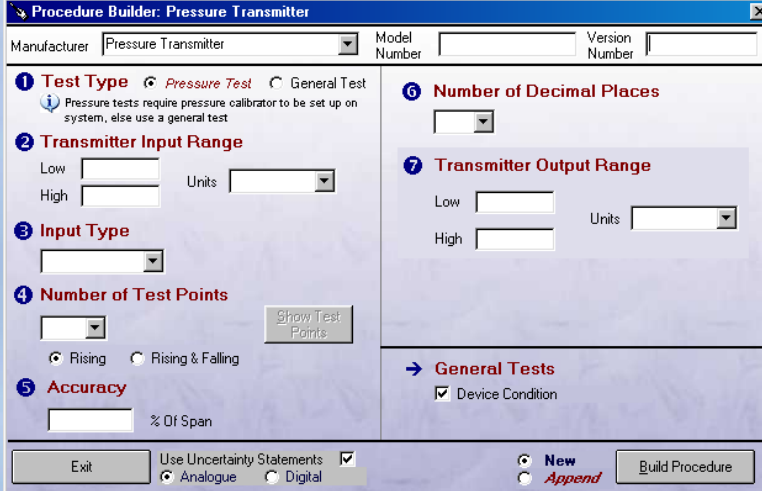
# ProEdit :: Pressure Transmitter Procedure Builder

This function provides automatic creation of pressure transmitter procedures.

Tests are set up as a pressure span (min/max) with test points automatically determined and displayed graphically :



Tests can be set to use a Druck 515 pressure calibrator or to use General type tests for manual data entry.



Procedure Builder: Pressure Transmitter

Manufacturer: Pressure Transmitter | Model Number: | Version Number: |

1 Test Type  Pressure Test  General Test  
Pressure tests require pressure calibrator to be set up on system, else use a general test

2 Transmitter Input Range  
Low: | High: | Units: |

3 Input Type  
|

4 Number of Test Points  
|

5 Accuracy  
| % Of Span

6 Number of Decimal Places  
|

7 Transmitter Output Range  
Low: | High: | Units: |

→ General Tests  
 Device Condition

Exit | Use Uncertainty Statements   Analogue  Digital |  New  Append |