

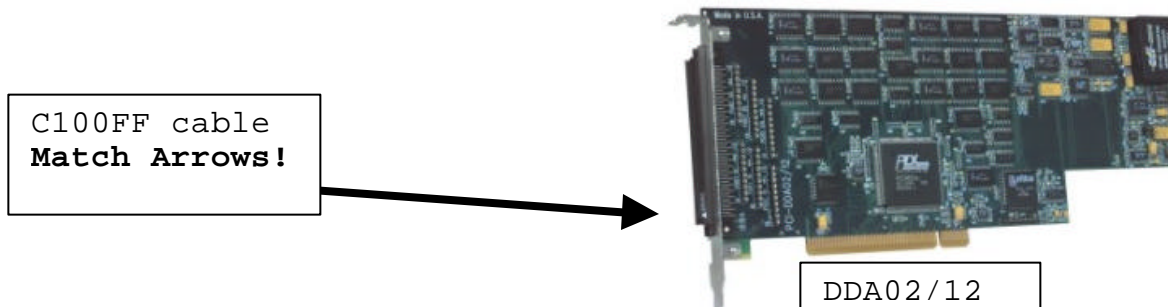
# Quick Start Guide

Sheet 13

## Installing A Current Loop Adapter

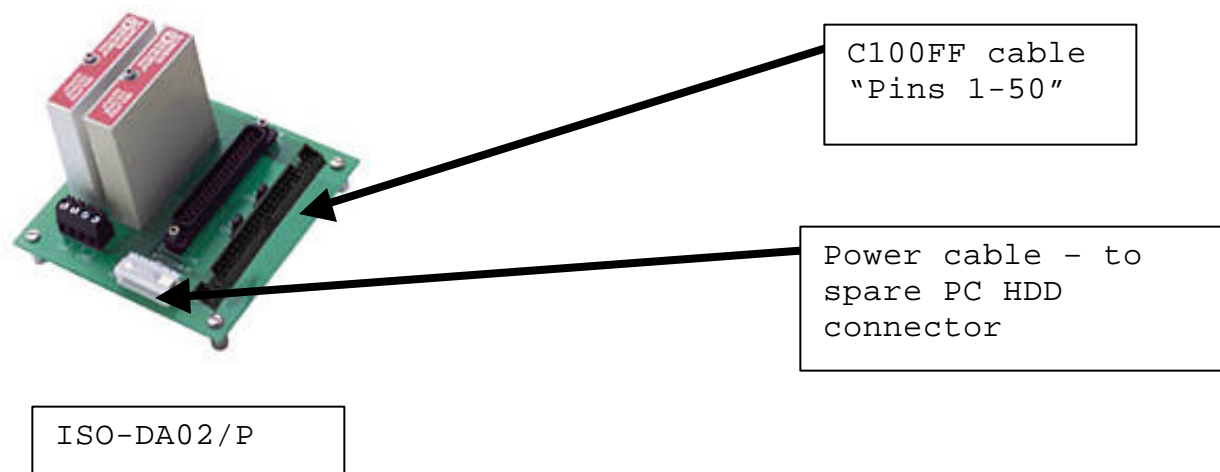
w/DDA02/12 / ISO DAC02/P / ISO-5B39-02

Step 1: Power-down PC, Install the DDA02/12 Analog Output Card into computer. **Complete all connections below before powering PC.**



Step 2: Connect ribbon cable to DDA02/12. **BE SURE ARROWS MATCH BETWEEN CONNECTORS.**

Step 3: Connect other end ("PINS1-50") to ISO-DA02/P connector "DAC02". Connect power cable to a spare PC HDD power connector.



Step 4: (Optional) If ready, connect your equipment to the 4-20 ma current loop "CH0" terminals. For testing, connect a 1K resistor (provided) between CH0 pins "H" & "L" and monitor voltage across resistor with a VOM. Voltage should swing between 4-20 VDC with example below.

Current loop output terminal block "CH0"



ISO-DA02/P

Step 5: Power-up PC

Step 6: Windows Hardware Manager should detect new hardware and start the installation process. Note, if this device or another Measurement computing device was previously installed on this computer, it may be recognized without going through the New Hardware Wizard.

Step 7: Once the hardware installation is complete, run InstaCal (Start>All Programs>Measurement Computing>InstaCal). Accept the new device when InstaCal prompts (Figure 3). When the new device appears in the PC board list (See Figure 4), close the InstaCal window.



Figure 3. Plug and Play Detect Screen in InstaCal

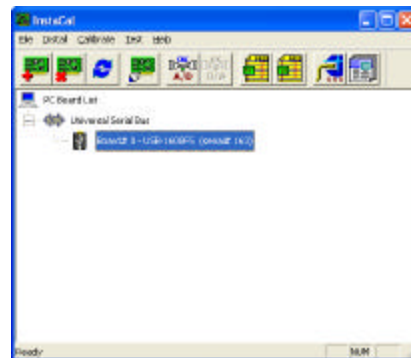
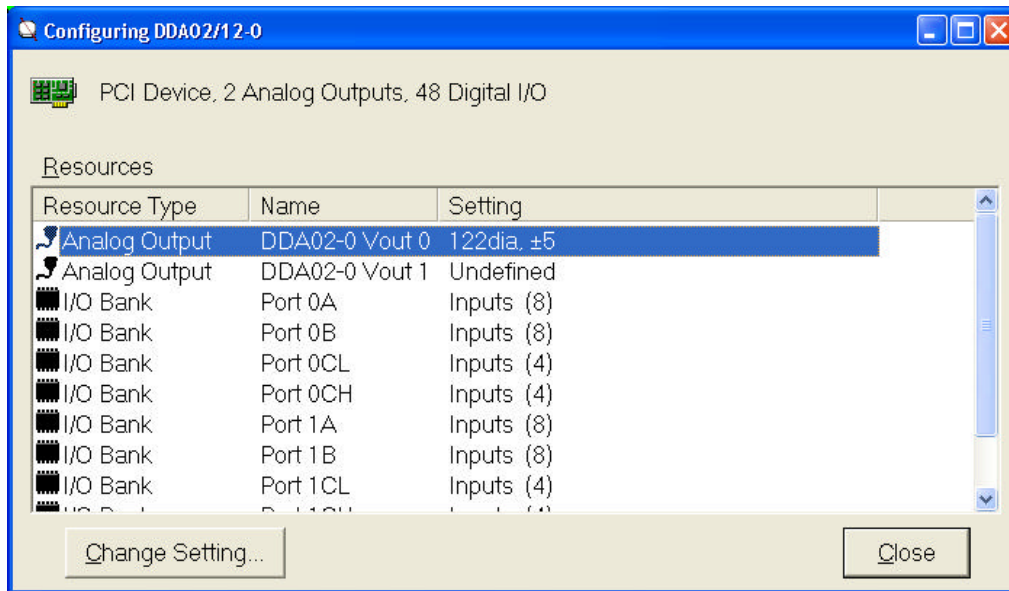


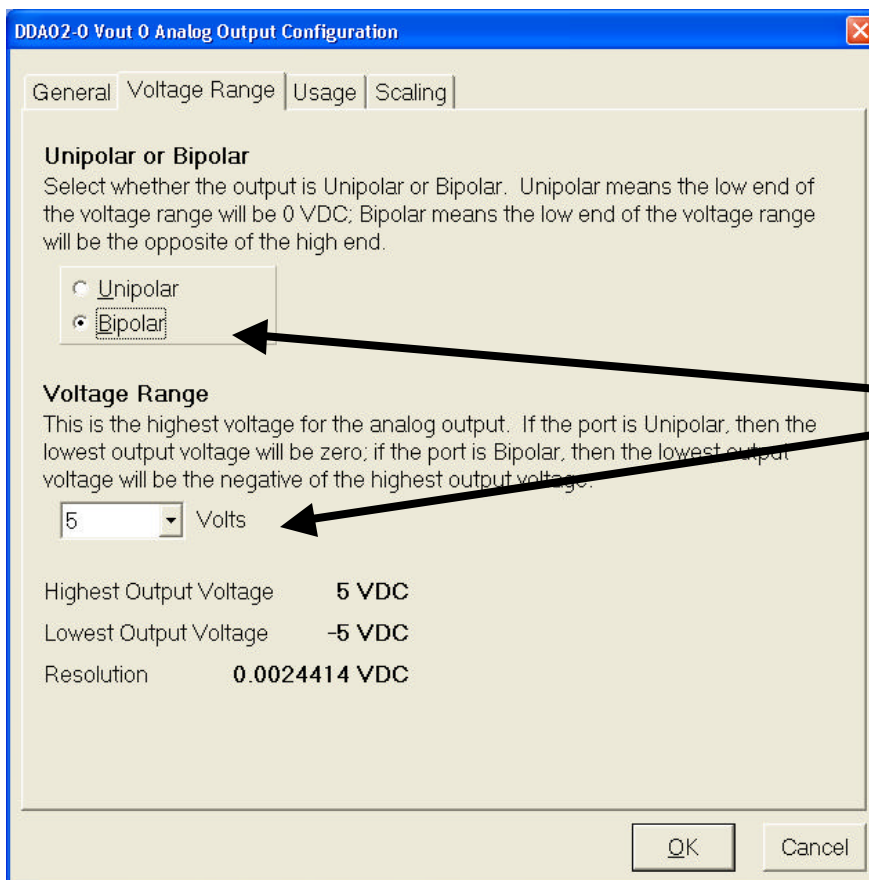
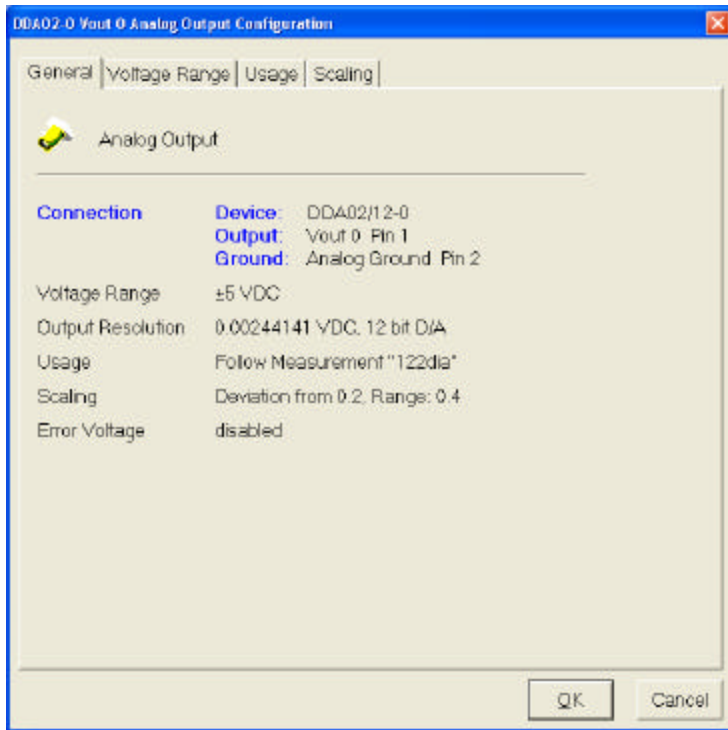
Figure 4. InstaCal Screen showing the installed USB Device

Step 8: Start Total Vu. Goto; *Full Config/DDA02/12* icon. Double click "Analog Output DDA02-0 Vout 0" {Follow set-up examples below.  
**\*\*\* Use 5V - bipolar (for module SCM5b39-02) \*\*\***

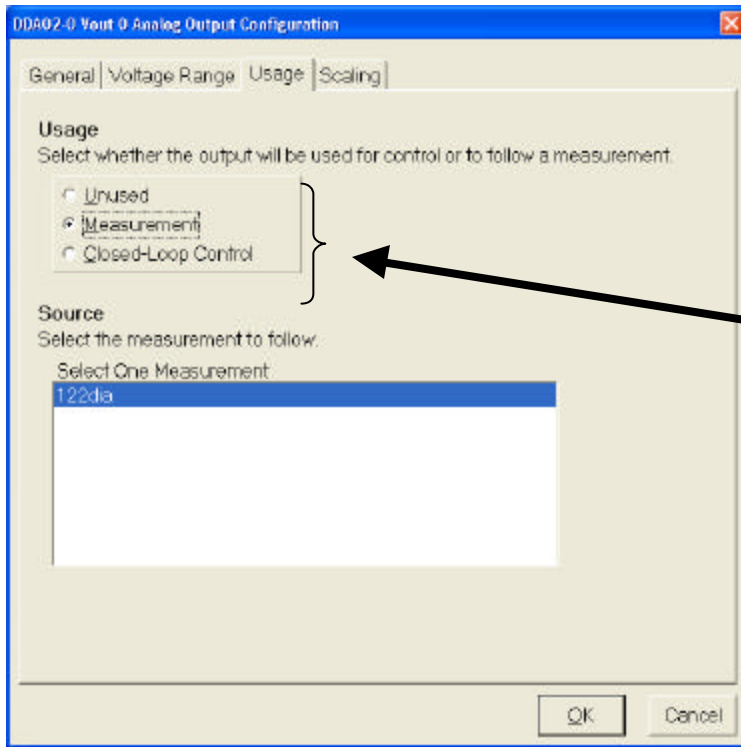
This example will cause the current loop output to follow measurement *122dia*. With a nominal measurement value of .2", the current loop output will correspond to the mid-point of the 4-20ma range (12ma). A measurement value of .4" will correspond to 20ma, A measurement value of 0.0" will correspond to 4ma.



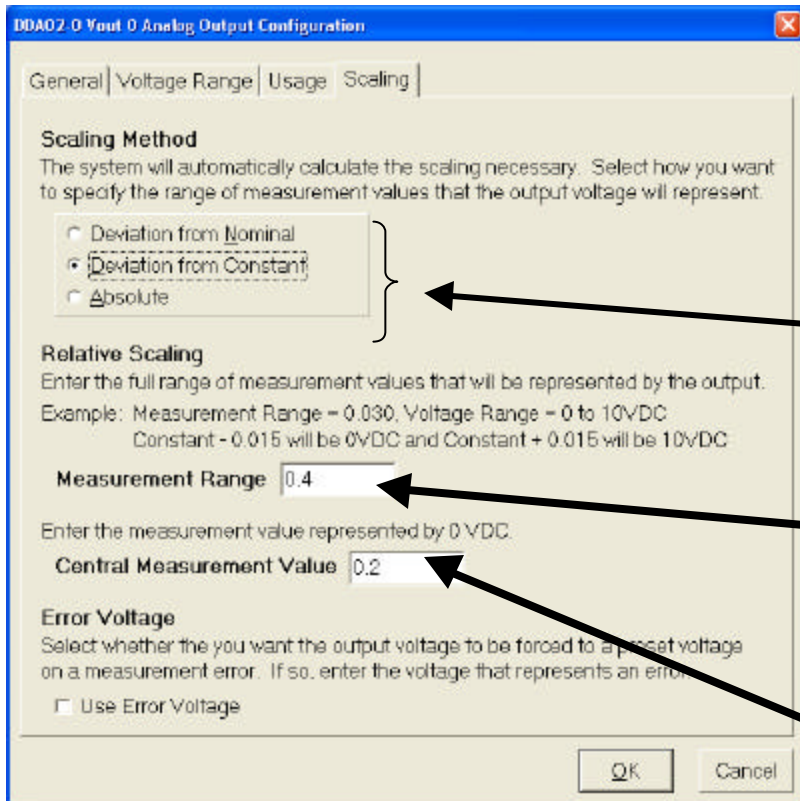
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**SELECT  
THESE  
VALUES**



User specified, example only



User specified, example only

Your specific range

User Specified, example only



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