

Technical Note No. 1/2008

Jumper setting on the SMART-24 Series ADC boards

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The SMART-24D®, SMART-24R®, SMART-24A®, and SMART-24B digitizers/recorders share the same ADC board P/N 990-60568-01xx, where xx, the version number, can be one of the following: 01, 02, 03, 04, 05 or 06. The versions are:

- 01: 40Vpp, 1.7M Ω input impedance, phased out beginning November 2011, to be replaced by 06
- 02: 20Vpp, 2.0M Ω input impedance
- 03: 40Vpp, 17.2K Ω input impedance
- 04: 20Vpp, 20K Ω input impedance
- 05: 5Vpp, 2.6M Ω input impedance
- 06: 40Vpp, 2.0M Ω input impedance beginning with November 2011

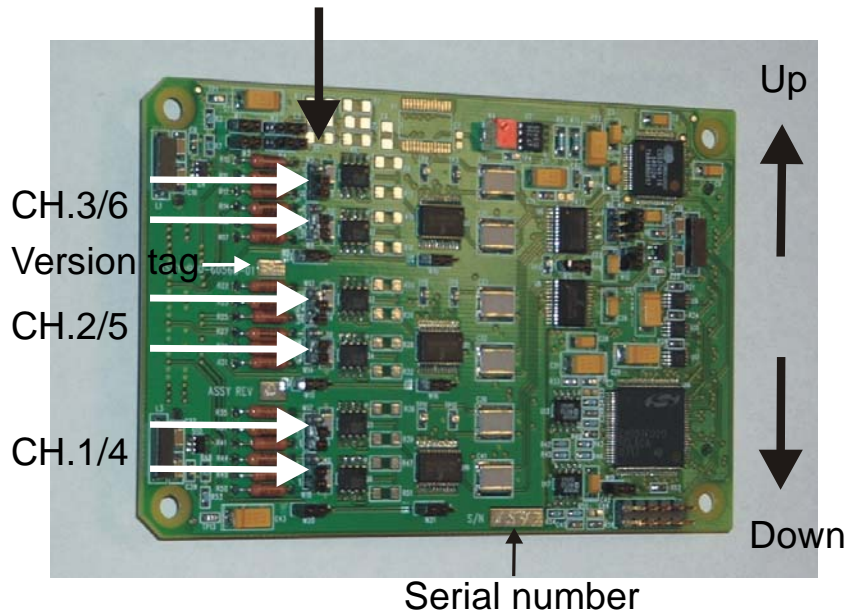
When versions 01 (to be phased out) and 02 are jumpered to 5Vpp, the input impedance becomes 214K Ω and 500K Ω , respectively. The new version 06, when jumpered to 5Vpp, will have an input impedance of 250K Ω .

Jumpers should be changed 2 at a time:

W5 & W8 for CH.3/6

W13 & W14 for CH.2/5

W17 & W18 for CH.1/4



Jumper position Up = 5Vpp

Jumper position Down = 20 or 40Vpp