

1470 Firmware History

Purpose

This document summarizes the changes made to the firmware fitted to the 1470. Depending on the options fitted to the unit, up to four sets of firmware are required:

Marshalling : manages the GPIB and Ethernet communications.

Channel : controls a main channel.

Temperature : controls an auxiliary temperature channel.

Option : controls an auxiliary voltage channel.

Marshalling Firmware History

Revision	Date	Changes Included
2.7.3	02 June 2014	Fixed Invalid Header data being sent to Scribner software.
2.7.1	29 March 2012	Failure of one channel to pass the power on self test no longer prevents the remaining channels from being used.
2.7.0	06 January 2009	Fixed loss of Ethernet comms when capturing large amounts of data. (Multistat Comm Error 3)
2.6.14	15 November 2012	Fix intermittent self-test failure on Aux channel 8
2.6.13	21 May 2007	Set Ethernet Subnet Mask based on the IP address
2.6.12	22 December 2005	Fixed error occasional error starting experiment with many steps, when using Temperature channels
2.6.10	6 January 2005	Added support for 1455 FRA
2.6.0	2 March 2004	Added support for Ethernet communications
2.5.0	28 May 2003	Added support for Power boosters

Channel Firmware History

Revision	Date	Changes Included
3.22	02 June 2014	Fixed Invalid Header data being sent to Scribner software.
3.20	29 March 2012	Fixed a problem where an erroneously scaled reading causes a Current Safety Limit error
3.19	16 June 2009	Updated to fix a problem where spikes were seen in the acquired data plots when using a booster and changing steps.
3.18	4 April 2007	Corrects a bug in the interface to the Multistat software from Scribner Associates.
3.17	22 December 2009	Implemented Fast/Normal Mode change requested by Scribner
3.16	25 November 2004	New release for 1470E
3.15	30 April 2004	Correct errors in the time stamp.
3.14	19 September 2003	Fix step duration and the auxiliary scaling bugs.
3.13	3 June 2003	Add a new feature, measure-on-change.

Auxiliary Temperature Channel Firmware History

Revision	Date	Changes Included
1.2.1	02 June 2014	Added Type R & N Thermocouple support
1.2.0	4 March 2009	Fixed problem where the temperature reading were occasionally in error by the ambient temperature.
1.1.0	20 September 2002	Fix problem with exit step on temperature.

Auxiliary Voltage Channel Firmware History

Revision	Date	Changes Included
0.6.0	21 May 2009	Fixed noisy auxiliary channel results when the input voltage is very close to a range change point



...part of **df**® Advanced Measurement Technology

UNIT B1 ARMSTRONG MALL
SOUTHWOOD BUSINESS PARK
FARNBOROUGH, GU14 0NR
UNITED KINGDOM

Phone: +44 (0) 1252 556 800
Fax: +44 (0) 1252 556 899

801 SOUTH ILLINOIS AVENUE
OAK RIDGE
TN 37831-2011
USA

Phone: +1 865 425 1360
Fax: +1 865 481 2410

Visit our website for a complete list of our global offices and authorized agents

solartron.info@ametek.com

www.solartronanalytical.com