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Version B17 Firmware Revision History

Model 2306 Firmware Revision History

Release Date	Revision Number	Description
3/1999	A01	Initial Release of 2306 firmware to production
4/1999	A02	Manufacturing release: Modifications to default factory calibration values and factory Built In Test (BIT) parameters
8/1999	B01	Optimized response of voltage protection scheme (open sense lead detect) to reduce false failures due to transients on the load voltage lines
1/2000	B02	Added capability to turn on or off both channels with a single, new command: BOTHOUTON or BOTHOUTOFF
	B03	Not released in production
4/2000	B04	Initial release of 2306-PJ firmware version (add 500mA range, eliminate 5mA range) Output bandwidth compensated mode now defaults to LOW on battery channel
	B05	Not released in production.
12/2000	B06	Added FAST, SEARCh and DETect for pulse current measurements
6/2001	B07	Added capabilities to get readings from both channels with single new commands: BOTHTRG, BOTHFETCH and BOTHREAD Added new command SYSTem:AZERo:STATe to turn off internal calibration between readings (a measurement speed-up feature for increasing rate of multiple readings)
	B08	Not released in production <u>REQUIRES RECALIBRATION.</u>
4/2002	B09	Added 488.1 mode to increase throughput Added SYSTem:TRIGger:TALK:BOTH to allow triggering on talk to apply to both channels
6/2003	B10, B11	Initial release and production release for 2306-VS version Enhancements to setting pulse current timeout value and pulse current digitization integration time

7/2003	B12	Revised algorithm to eliminate offset in Long Integration Measurement. <u>REQUIRES RECALIBRATION.</u>
	B13	Not released in production
2/2005	B14	Internal changes to Built In Test (BIT) for manufacturing.
2/2006	B15	Performance improvements
3/2006	B16	Correction of output state setting when auto zero state was off
4/2008	B17	Added support for variable pulse delay in pulse current mode

Recalibration Requirements

		New Firmware Revision			
		B01 through B07	B08 *	B09 through B11	B12 through B17
Initial Firmware Revision	B01 through B07	No Recalibration	Requires Recalibration	No Recalibration	Requires Recalibration
	B08 *	Requires Recalibration	No Recalibration	Requires Recalibration	Requires Recalibration
	B09 through B11	No Recalibration	Requires Recalibration	No Recalibration	Requires Recalibration
	B12 through B17	Requires Recalibration	Requires Recalibration	Requires Recalibration	No Recalibration

* B08 would have required recalibration, but was never officially released. The released version, B09, was modified to avoid the need for recalibration.

Note: If a version was not released, all changes in that version are included in the subsequent release.