What firmware changes have taken place on the Maretron ACM100 AC Monitor?

402 Ron De Pastino April 26, 2022 ACM100, ACM100 0 6.43K

What firmware changes have taken place on the Maretron ACM100 AC Monitor?

Update your device today using the N2KAnalyzer software tool.

ACM100 Firmware Versions

1.1.1.2 (01-24-2020)

- Support small CT
- Correctly assign minimum current threshold depended on CT selected
- Correct calibration process frequency check
- Fix bug which cause a wrong time reading when timer compare match occur and interrupt was disabled and insert folder name in include header
- Support Heartbeat PGN (126993)
- Comply with NMEA2000 version 2.100 certification
- Change NMEA Certification Level to 2 (As of February 2015 and Version 2.000 of the NMEA 2000 Main Document, Certification Level Field (7) shall be set to 2 meaning “Not Applicable”)
- Default to use fix phase option (estimate VLL using user configuration instead of fully mathematics calculation) (bug #4348)

1.0.9.2 (7-13-2013)

- Changed the default transmit rate of all messages from 100ms to 500ms to reduce network congestion on networks with multiple ACM100’s- Added support for resetting the total kW hours transmitted by the ACM100 using the standard NMEA command mechanism
- Updated the supported NMEA 2000 database version to 2.000

1.0.7 (2011-03-15):

- Add support for 400 Amp AC Transducer with Cable (M000612)

1.0.6 (2009-08-07)

- Corrected a problem where Line-to-Line voltage measurements were inaccurate in some cases

1.0.5 (2009-02-23)

- Improved support for labeling of the device and its channels to store more pertinent information

1.0.4 (2008-12-05)

- Added support for labeling of the device and its channels with N2KAnalyzer or DSM250. This enables the user to associate a unique text label with the ACM100 to more easily identify it on the network

1.0.3 (2008-10-21)

- Changed NMEA 2000 Class and Function Codes to 30 (Power Management) and 140 (Power Management and Lighting Systems / Load), respectively, to enhance compatibility with future NMEA 2000 protocol enhancements

1.0.2 (2008-08-21)

- Changed the default node address to 0xC0 to support internal production program

- Corrected a problem where an invalid damping period value could be programmed into the device

1.0.1 (2008-07-24)

- Initial public release

Online URL: https://maretron.com/wp-content/phpkbv96/article.php?id=402