

# Service Bulletin

<b>MODEL(S)</b>	MD302
<b>PART NUMBER(S)</b>	6420302-( )
<b>DESCRIPTION</b>	SAM <sup>®</sup> Standby Attitude Module
<b>TOPIC</b>	Software Version 1.1.3
<b>PURPOSE</b>	Product and Performance Enhancements
<b>RELEASE DATE</b>	March 1, 2024

## APPLICABILITY

This Service Bulletin is applicable to the model MD302 SAM<sup>®</sup> Standby Attitude Module, part number series 6420302-( ), designed and manufactured by Mid-Continent Instrument Co., Inc. (dba Mid-Continent Instruments and Avionics). These updates are to be performed only by authorized personnel per the instructions as listed in this Service Bulletin.

## PURPOSE

The MD302 software version 1.1.3 represents improvements to product functionality.

## EFFECTIVITY

MD302 SAM units in the field can be updated to Software Version 1.1.3, but are not required to do so for continued airworthiness. This update is voluntary for fielded units.

Following the release date of the updated software, all MD302 SAM units manufactured by Mid-Continent Instruments and Avionics shall be supplied with Software Version 1.1.3 or later.

## DESCRIPTION

The following list describes the added features, enhancements and/or resolutions incorporated in Software Version 1.1.3. Note that some features, enhancements, and resolutions listed below only apply to the product hardware versions that support the feature referenced.

### ENHANCEMENT

1. Improved accuracy of the pre-flight battery capacity check.

## ESTIMATED MANPOWER

Approximately 30 minutes or less to update the unit software.

**WEIGHT AND BALANCE**

No change

**ELECTRICAL LOAD DATA**

No change

**CERTIFICATION**

This Service Bulletin represents a minor change to the previously approved Technical Standard Orders Authorizations for the MD302 SAM. Any changes to software have been completed in accordance with approved developmental and quality processes per the guidelines of RTCA document DO-178B.

**OTHER PUBLICATIONS AFFECTED**

Mid-Continent Instruments and Avionics Installation Manual and Operating Instructions, part number 9017782, Revision Q or later, is applicable and current with respect to this Service Bulletin.

**ACCOMPLISHMENT INSTRUCTIONS**

The unit software can be updated by returning the unit to Mid-Continent Instruments and Avionics or by authorized personnel in the field in accordance with the instructions as listed in this section.

Units with this software upgrade are also available for sale from the manufacturer.

**If returning the MD302 SAM<sup>®</sup> unit to Mid-Continent Instruments and Avionics:**

Call Mid-Continent Instruments and Avionics sales department for a Return Material Authorization (RMA) at 316-630-0101.

Return address: Mid-Continent Instruments and Avionics  
9400 E. 34<sup>th</sup> Street N.  
Wichita, KS 67226

**If performing this update in the field:**

Follow the Instructions for Continued Airworthiness (ICA) for Software Updates as provided in Section 5.1 of the Mid-Continent Instruments and Avionics Installation Manual and Operating Instructions, part number 9017782.

The manual referenced above and the software update file can be found at [www.mcico.com](http://www.mcico.com).