



miniQAR MKIII

WITH avCM WIRELESS GSE MODULE

Avionica's miniQAR MK III quick access recorder packs capability and value into a compact design. The MKIII records up to 6000 hours of FOQA/FDM flight data. Enhance your FOQA, MOQA or Data Science Team with immediately available data by leveraging Avionica's avSYNC

cellular service (avCM). Change the way you use aircraft data to power new outcomes in your operation. Partner with Avionica and be part of what we have pioneered over the last two decades.

RELIABLE PERFORMANCE

The miniQAR MKIII and avCM have a field proven MTBF of over 100,000 flight hours, letting your operation focus on what matters most, safe air travel. Over 5,000 miniQARs have been installed and are flying in over 300 aircraft types worldwide.



WE HAVE YOU COVERED

If you are looking for a QAR with cellular capabilities, we got you covered. The MKIII seamlessly records and transmits your ARINC717 Biphase or Bipolar data to you or directly to your FOQA or MOQA provider immediately after flight.

If you are looking to solve data deficiency problems in your operation, we got you covered. Powered by our avSYNC Service the miniQAR MKIII offers innovative solutions to Airline Operations Data Dilemmas

- Expanded QAR Dataframes (e.g. adding additional Engine or position information)
- Synthetic Engine Snapshots
- ACMS Recording
- Seamless Integration with FOQA / MOQA

If you are looking for worldwide operation without a hassle, we got you covered. The avSYNC service offers Global cellular coverage paired with our quad-band cellular design offers the most comprehensive coverage without managing multiple SIM cards or contracts. Alternatively, downloading on-wing manually via Ethernet is also supported.

If you are looking for more functionality out of your QAR, like WiFi or AID functionality, we got you covered. Our aviONS platform offers many more features and functions to accelerate your operation.

LIGHT AND EASY INSTALL

Certified on over 300 aircraft models, the miniQAR and avCM installation requires minimal to no alterations. Avionica offers when needed the installation kit required for your aircraft type and supporting certification and Engineering. Together, the miniQAR and avCM weighs only 9.9 oz / 281 gr and a footprint under 2.5(L) x 2.0(H) inches.





TECHNICAL SPECIFICATIONS

| miniQAR PART NUMBER | CONNECTOR | RECORDABLE SIGNAL TYPES | | | | FEATURES | | | |
|---------------------|---------------------|-------------------------|-----------|-------|-------|----------|-----|----------|-----------|
| | | ARINC 717 | ARINC 429 | RS422 | RS232 | AC | DC | Ethernet | Discretes |
| 804-1201 | M83723/ 76R1415N | 1 | 1 | 0 | 0 | Yes | No | No | No |
| 804-1205 | M83723/ 76R1415N | 1 | 1 | 0 | 0 | Yes | Yes | No | No |
| 804-1205-03 | MS34 76L14-19P | 1 | 3 | 0 | 0 | Yes | Yes | Yes | No |
| 804-1212 | D38999/ 20FD35PN | 1 | 3 | 1 | 2 | Yes | Yes | Yes | Yes |

SIZE/WEIGHT

miniQAR MKIII and avCM
 Dimensions: 1.92 (H) x 2.34 (W) x 5.04 (L)
 Weight: 9.9 oz / 281 gr
 miniQAR MKIII
 Dimensions: 1.92 (H) x 2.34 (W) x 3.36 (L)
 Weight: 6.9 oz / 196 gr

SPEED

Wired Ethernet: 100baseT
 Wireless Speeds (4G): Up to 1.6 Flight Hours per minute (ARINC 717 at 256 words per second)
 DATA Storage:
 2GB of Storage

AIRCRAFT COMPATIBILITY

1 ARINC 717 Harvard Bi-Phase / Bi-Polar up to 1024 words per second (WPS)
 Up to 3 ARINC 429 receivers (Hi-Speed and Lo-Speed)
 Up to 1 RS-422 receiver and 1 RS-422 transmitter
 Up to 2 RS-232 receivers
 Power Input: 28VDC or 115AC

ENVIRONMENTAL

C1,C,A,B,S,X,X,X,X,X,A,[A(CF), B],B,[R(CF),B],BC,T,M,X,X,X,A,X