

AVX-10K

AVX-10K Letter of Equivalency for IFR4000/IFR6000/IFR6015 Test Sets

This letter acts as the formal statement of the equivalency of the new VIAVI Solutions AVX-10K to the legacy VIAVI Solutions IFR4000/IFR6000/IFR6015.

Please note: IFR4000/IFR6000/IFR6015 products, formerly from IFR and Aeroflex, are now from VIAVI Solutions.

Equivalency Statement

The AVX-10K test system is equivalent to the IFR4000/IFR6000/IFR6015 in capabilities and technical specification for aircraft certification and testing.

Where the IFR4000/IFR6000/IFR6015 are currently used for testing, the new AVX-10K can be used as a direct replacement. A detailed side by side comparison is also available for technical evaluation.



AVX-10K



IFR4000



IFR6000/6015



AVX-10K

Test System Model Equivalency

The below table identifies equivalency by model and NSN. Reference the AVX-10K product brochure for detailed options and accessories included with each configuration.

| Discontinued Test Sets | NSN | AVX-10K Equivalent Configuration/Opt | VIAVI Suggested Replacement |
|-----------------------------------|------------------|--|--|
| IFR4000 (72418) | 6625-01-516-4656 | AVX-10K-NAV (22154862) | AVX-10K-MIL (22182232) 6625-01-724-4448 Note: All options are included |
| | 6625-01-515-0343 | | |
| IFR4000AR (22141721) | 6625-01-559-2384 | AVX-10K-NAV-M (22182233) | |
| IFR4000 (72418) | 6625-01-553-1956 | AVX-10K-NAV (22154862) | |
| IFR4000EMB (72420) | | with AVX-10K-SELT Option | |
| IFR4000 Options | | | |
| 4000OPT1 ELT (83402) | | AVX-10K-SELT | AVX-10K-SELT |
| | | | |
| IFR6000 (72422) | 6625-01-069-5582 | AVX-10K-SVLC (22154822) | AVX-10K-MIL (22182232) 6625-01-724-4448 Note: All options are included |
| | 6625-01-529-1369 | | |
| | 6625-01-572-1213 | | |
| | 6625-01-561-7078 | AVX-10K-SVLC (22154822) with AVX-10K-STCAS Option | |
| | 6625-01-686-5638 | | |
| | 6625-01-567-5667 | | |
| IFR6000EMB (72423) | | | |
| IFR6015 (72424) includes TCAS Opt | 6625-01-601-4034 | AVX-10K-SVLC-M (22182230) | AVX-10K-MIL (22182232) 6625-01-724-4448 Note: All options are included |
| | 6625-01-574-2423 | | |
| IFR6000/6015 Options | | | |
| 6000OPT2 TCAS (83410) | | AVX-10K-STCAS | AVX-10K-STCAS |
| 6000OPT3 ADS-B (83411) | 6625-01-672-1114 | AVX-10K-SADSB | AVX-10K-SADSB |
| 6000OPT5 UAT (112795) | | AVX-10K-SUAT | AVX-10K-SUAT |
| | | | |
| IFR4000/IFR6000 Combined | | AVX-10K-CNS (22154861) 6625-01-718-8810 | AVX-10K-CNS (22154861) 6625-01-718-8810 |
| IFR4000AR/IFR6015 Combined | | AVX-10K-MIL (22182232) 6625-01-724-4448 | AVX-10K-MIL (22182232) 6625-01-724-4448 |

Note: The above is shown for capability equivalency, the AVX-10K is configurable and any software option can be added to any configuration.

Capability and Application Details

Summary of Test Application

| Application | IFR4000 | IFR6000 | IFR6015 | AVX-10K |
|---|---------|---------|---------|---------|
| ATCRBS – Modes A/C | | • | • | • |
| Transponder MODE S | | • | • | • |
| ADS-B In/Out | | • | • | • |
| ADS-B Auto Test AC20-165B | | • | • | • |
| UAT In/Out | | • | • | • |
| GICB | | • | • | • |
| TCAS I/II | | • | • | • |
| TAS | | • | • | • |
| TIS-B | | • | • | • |
| FIS-B | | • | • | • |
| DME | | • | • | • |
| TACAN | | | • | • |
| ETCAS | | | • | • |
| XPDR Military Modes 1/2/3 | | | • | • |
| VOR | • | | | • |
| ILS (LOC-G/S) | • | | | • |
| MB | • | | | • |
| ELT 121.5/243/406 Mhz | • | | | • |
| AM/FM COMMS HF/VHF/UHF/SSB | • | | | • |
| SELCAL | • | | | • |
| Morse Code IDENT | • | | | • |
| VSWR | • | | | • |
| Additional Capabilities/Features | | | | |
| DTF | | | | • |
| Cable Loss | | | | • |
| ADS-B Auto CS-ACNS | | | | • |
| Traffic – Five targets ADS-B/ ADS-R/TIS-B | | | | • |
| Wireless Operation via any remote device | | | | •* |
| GPS Rx | | • | • | • |
| StrataSync Cloud Based Asset/ Report Mgmt. | | | | •* |
| Headset Adapter for COMMs Verification | | | | • |

*Note: Wireless and cloud functions are disabled by default in the AVX-10K-NAV-M, AVX-10K-SVLC-M, and AVX-10K-MIL variants.

Our team has been serving the avionics test community since 1968 as IFR, Aeroflex, and now VIAVI. In that time, we have developed industry-standard test solutions that have been utilized daily by airborne equipment OEMs and repair facilities worldwide. It's our equipment that almost all OEMs rely on to develop, factory test, and return to service the avionics that is so critical to flight safety.

We appreciate your trust in our experience for your flight line test solution needs.

Please reference the following supporting documents:

[Commercial Flight Line Test Set Brochure](#)

[Military Flight Line Test Set](#)

[Data Sheet](#)

[Request your own IFR4000 and IFR6000/IFR6015 Detailed Specification Comparison documents](#)

For more information about the AVX-10K

please visit viavisolutions.com/en-uk/products/avx-10k-flight-line-test-set

For technical assistance and questions please contact 844-GO-VIAVI

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