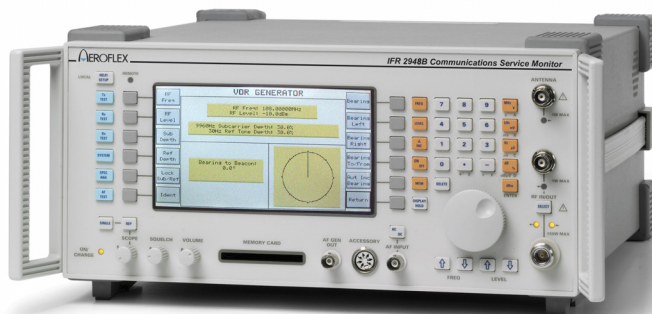


Avionics

Option 25 Avionics option for the 2948B Low Phase Noise Communications Service Monitor

AEROFLEX
A passion for performance.



Communication and ramp testing of military and commercial aircraft in one instrument

- Avionics modes for ILS, VOR, marker beacons and SELCAL
- Displays in avionics terms: SDM, DDM, Bearing and TO and FROM
- Extensive pre-sets for avionics functions DDM and Bearing
- Auto-increment of VOR Bearing for aircraft display testing
- DC operation from aircraft power supplies or batteries
- Avionics testing in both Direct and 'Off Air' configurations

The datasheet covers only the specific option 25 Avionics capability. For full details of the 2948B host platform functionality and capabilities refer to the 2948B data sheet 46891/212.

Aeroflex is a leader in the design, manufacture and marketing of Avionics test systems.

The 2948B Communications Service Monitor is the lightest, most rugged service monitor available with a full performance spectrum analyzer as standard. For field work, the 2948B provides an excellent combination of instruments for all types of maintenance work. In the workshop, it provides all of the performance you would expect for exacting measurements.

AVIONICS (OPTION 25)

Enables communication and ramp testing of military and commercial aircraft in one instrument.

The option provides an impressive range of features for the aircraft and avionics maintenance industry.

In addition to the features provided by the general purpose 2948B, the dedicated Avionics system provides signals for testing the following: ILS receivers for localizer, glidescope (including identification and markers), VOR beacon receivers with identification, and SELCAL selective calling receivers.

The 2948B screen gives a representation of the aircraft's display in each mode, with the effective test signal parameters clearly indicated both diagrammatically and numerically.

SPECIFICATION

Avionics Systems

The Avionics feature provides amplitude modulated signals suitable for testing of Instrument Landing Systems (ILS) and VHF Omnidirectional Radio Range (VOR) receivers.

ILS MODE

Sum of Depth of Modulation (SDM)

0% to 90% glideslope, 0% to 50% localizer in 0.1% steps representing the arithmetic sum of each tone depth

Selection

Keyboard entry

Accuracy of SDM

±5% of setting for carrier frequencies up to 400 MHz

