



DATA LINK AT YOUR FINGERTIPS

POCKET is an all-in-one, light test set for aircraft VHF data link functions. Composed of a small radio transceiver, a mini antenna, and a laptop or tablet embedding ALTYS's communication systems and test application, POCKET is the most flexible and cost-effective data link test solution available to the aviation industry.

- All-in-one portable equipment.
- Low-power radio for short-range testing.
- Over two hours' battery autonomy.
- Gives quick go/no-go indication of aircraft data link function performance.
- Easy-to-use, plug-and-play with any standard avionic VHF data radio.
- VDL Mode 2, ACARS or full duplex mode, over one or multiple frequencies.
- ATN system testing.
- New generation Air Traffic Services: CPDLC, ADS-C, DCL, D-ATIS.
- Standard and user-defined AOC services.

COMPLIANCE

EC REGULATION	EC Directive 2014/30/CE on Electromagnetic Compatibility (EMC) EC Directive 2011/65/EU on the Restriction of the use of Hazardous Substances in electrical and electronic equipment (RoHS) EC Regulation N° 552/2004 on Interoperability of the European Air Traffic Management Network EC Directive 2006/95/CE on Voltage Limits
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TECHNICAL STANDARDS	ACARS: ARINC 618 VDL Mode 2: ARINC 631, EUROCAE ED-92 / RTCA DO-224C (VDL2 MOPS), ICAO ANNEX 10 (VDL2 SARPS), ICAO Doc 9776/AN970, ETSI EN 301 841-1 ATN (CM and CPDLC support): EUROCAE ED-110B / RTCA DO-280B, ICAO Doc 9880, ICAO Doc 9705 FANS1/A (AFN, CPDLC and ADS-C support): EUROCAE ED-100A / RTCA DO-258A, ARINC 622, ARINC 745 (ADS-C) Other ATC services* (DCL, D-ATIS...): ARINC 623 AOC services*: ARINC 620, ARINC 702 (FMS AOC)
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VHF DATA RADIO TRANSCEIVER

DIMENSIONS	133 x 68 x 32 mm
WEIGHT	< 500 g
POWER CONSUMPTION	< 6 W
TEMPERATURE RANGE	0°C to 45°C
BATTERY AUTONOMY	≥ 150 minutes
TRANSCEIVER MODE	ACARS/POA, VDL2 or full-duplex mode with POA and VDL2 processed simultaneously
OPERATING FREQUENCY RANGE	118 MHz - 137 MHz
FREQUENCY ACCURACY	< 2.0 ppm
MODULATION	VDL2: D8PSK ACARS: MSK
RECEIVE NOISE FIGURE	< 8 dB
TRANSMITTER OUTPUT POWER	Adjustable output power allowing maximum 10 dBm

* Optional

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MOBILE VHF ANTENNA

TUNING	VHF band transmit and receive
FREQUENCY BAND	118 MHz - 137 MHz
VSWR	1.5:1 or less

INTERFACES

RF CONNECTORS	2 Rx, 2 Tx (BNC/F)
PC CONNECTORS	10/100/1000BASE-T Ethernet Host USB support

DATA OUTPUT

LOG FORMAT	Hexadecimal or UPX** (for use with APA analyzer)
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LAPTOP OR TABLET (MINIMUM REQUIREMENTS)

RAM	16 GB
HARD DRIVE	256 GB
INTERFACE TO VHF DATA RADIO	1 x full-size USB port
BATTERY LIFE	≥ 150 minutes in use
OS	Windows 10
RESOLUTION	≥ 1920x1080

** ALTYS proprietary format, optional

info@altys-tech.net
www.altys-tech.net

7, avenue Parmentier
31200 Toulouse
FRANCE
Tel: +33 (0)9 88 77 74 00

6800 S.W. 40th Street #138
Miami, FL 33155-3708
USA
Tel: +1 305 209 1876

