

ADEN | KDU 45

KEYBOARD DISPLAY UNIT

#Avionics



4" X 5" AMLCD LARGE DISPLAY AREA
ALPHANUMERICAL KEYS & DATA KNOB DATA ENTRY



aselsan

ADEN KDU 45

KEYBOARD DISPLAY UNIT

The ADEN KDU 45 Keyboard Display Unit has a color display based on Active Matrix Liquid Crystal Display (AMLCD) technology with an active display area of 4 by 5 inches.

The ADEN KDU 45 Keyboard Display Unit is part of the modern avionic digital cockpit management system.

The ADEN KDU 45 Keyboard Display Unit acts as the primary Man Machine Interface (MMI) in the cockpit for control, display and management. It provides control and status awareness of the platform to the pilot and co-pilot.

The ADEN KDU 45 has Data Knob, Alphanumeric Keys and Line Select Keys for data entry to the connected avionic systems.

The ADEN KDU 45 Keyboard Display Unit provides avionics subsystem mode selection and status indication functionalities by displaying flight, navigation, communication, weapon and various other management screens on the display.

The ADEN KDU 45 Keyboard Display Unit with its reliable and durable design can withstand harsh environmental conditions of fixed and rotary wing platforms.

General Specifications

- Wide Active Area
- NVIS Class B Compatible
- Alphanumeric Keys
- Line Select Keys and Data Knob
- Compact Design
- Easy to Integrate
- Ideal Match for Mission Computer Applications
- RTCA DO-254 and RTCA DO-178B Certified

Interfaces

- Serial Data Bus RS-422
- Serial Data Bus RS-232 (Maintenance)
- Discrete Input / Output

Physical Specifications

- Dimensions: 146mm(W)x257mm(H)x170mm(D)
- Weight: 3.5 kg

Technical Specifications

- 480x640 Pixel 6.4"(124.5 PGI) AMLCD Color Display
- MIL-L-85762A, MIL-STD-3009 NVIS Class B Compatible
- Viewing Envelope : +/-40° Horizontal
: +/-30° Vertical
- 0.04 fL - 210 fL Display Brightness
- NVIS Green A Illuminated Panel
- Display and Panel Brightness Control
- Power Input: 28 VDC (Nominal)
- Power Consumption: 45W (Nominal) / 95W (Heaters on)
- Power Hold-Up for Short Power Interrupts

Environmental Conditions

- Operating Temperature and Altitude: -40°C / +71°C, 20.000 ft
- Storage Temperature: -55°C / +85°C

Qualifications

- MIL-STD-810G
- MIL-STD-461E
- MIL-STD-704A/E



Specifications are subject to change without any notice. | All tolerances are within ±10%.