

# KDU-45

KEYBOARD DISPLAY UNIT

4" X 5" AMLCD  
LARGE DISPLAY AREA

ALPHANUMERICAL KEYS & DATA KNOB  
DATA ENTRY





# KDU-45

## KEYBOARD DISPLAY UNIT

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

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

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

### Features

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

### Display Specifications

- Display Type : Color Active Matrix Liquid Crystal Display
- Display Area : 4" x 5"
- Resolution : 480 x 640 (120 PGPI)
- Display Color : 262144 colors
- Viewing Envelope : +/- 40° horizontal  
+/- 30° vertical
- Luminance Range : 0.04 fL - 210 fL
- NVIS Compatibility : MIL-L-85762A, Class B  
MIL-STD-3009

### Interfaces

- Com. Interfaces : RS-422 Serial Communication  
Discrete I/O Interfaces  
RS-232 (Maintenance Interface)
- Operating Voltage : 28VDC
- Power Consumption : 45 W (Nominal)95 W (Heaters on)

### Qualifications

- MIL-STD-810
- MIL-STD-704
- MIL-STD-461

### Physical Specifications

- Dimensions : 257 mm (H) x 146 mm (W) x 170 mm (D)
- Weight : < 4.8 kg