

DEI

Digital Engine Indicator



Made In Indonesia 



An avionic instrument of KT-1B Wongbee engine system, this device process engine and fuel information from system, display it in realtime.

DEI has passed airworthiness certification by IDAA (Indonesian Defence Airworthiness Authority) from Ministry of Defence of the Republic of Indonesia.

FEATURES :

1. Aircraft Engine Indicator (DEI 1)

- Gas Generator Speed (Ng) Indicator
- Torque (Tq) Indicator
- Interturbine Temperature (ITT) Indicator
- Oil Pressure and Temperature Indicator

2. Aircraft Fuel Indicator (DEI 2)

- Propeller Speed (Np) Indicator
- Total Fuel Quantity Indicator
- Fuel Left Indicator
- Fuel Right Indicator
- Fuel Right Indicator
- Fuel Used Indicator
- Fuel Flow Indicator

3. Full Reset

DEI is equipped with R button used to resetting Fuel Used indicator.

4. Light Sensor

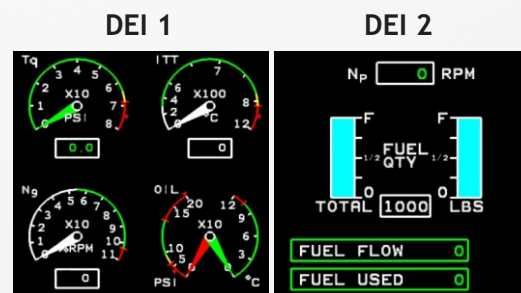
With light sensor, the DEI brightness level automatically adjusts to the environment brightness.

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SPECIFICATIONS

Aircraft Type	
Type	: KT-1B Wongbee
Physical Data	
Length	: 197.3 mm (± 0.5 mm)
Width	: 83 mm (± 0.5 mm)
Height	: 83 mm (± 0.5 mm)
Weight	: 1.4 kg (Max)
Embedded	
Processor	: ARM Cortex-A9
Controller	: ARM Cortex-M4
Communication	
Data Protocol	: ARINC429
Power	
Power Supply	: +28 VDC / 10 Watt Max
Current	: 0.35 A
Display	
Screen	: LCD
Size	: 63.1 mm (view area)
Resolution	: 300 x 300 pixel
Display Mode	: DEI 1 and DEI 2
Environment	
Temperature	: -10 up to +70°C (operation) : -10 up to +85°C (storage)
Vibration	: 6 g



DEI Display