

LX Eng

Engine monitoring system

1 General description

System main target is to provide data acquisition of engine sensors parameters and to visualize acquired data after using of a colour graphic display.

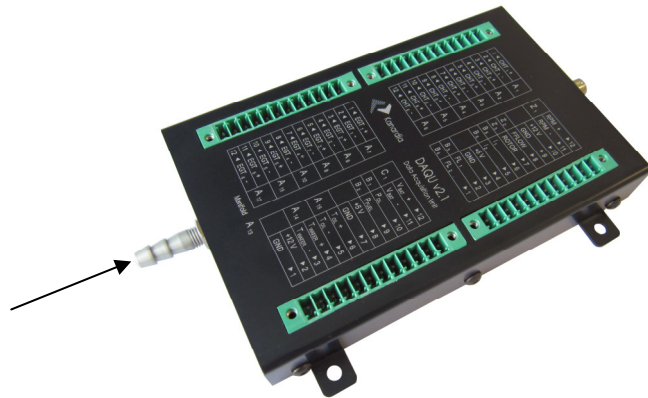
2 System configuration

The system consists of three boxes which ensure data acquisition and visualization.

2.1 DAQU Box

DAQU box main function is data acquisition process of sensors analogue values. The unit comes in a robust aluminum case and this makes possible to be installed on the engine side of the fire wall. Mentioned makes installation works extremely easy, as all sensor cables ends close to the sensor positions. Only one data cable should pass the fire wall and be connected to the HANU data adapter box. Sensor capacity is as follows:

- 6x CHT
- 6x EGT
- RPM
- rotor RPM (helicopters and gyro-copters)
- fuel flow
- 2x fuel level
- oil pressure
- fuel pressure
- pressure sensor for MAP is an integral part
- 2x oil temperature
- 2x coolant temperature
- 2x battrey
- current

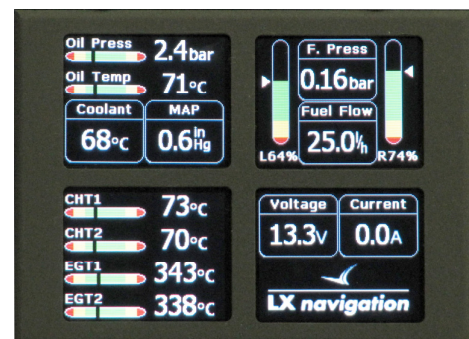


Unit size: 120x75 mm

Unit weight:150 gr

2.2 LX Cluster Display

LX Cluster display consists of a box where are installed for graphic colour displays. The unit target is to display engine data which are sent form DAQU box in a digital form. Connection should be realized via HANU interface box which ensures conversion of CAN Bus data into LX format. Unit size is 100x76 mm and weight 135 gr.



2.3 HANU Box

HANU box function is used as an interface which function is, to convert data coming out of DAQU to the format which is convenient for LX Cluster display.

2.4 Connection schematics

