

On-Board Recorder (OBR) with Fixed Input Channels

P/N: RAY-G3LC-12C (Model: INST-17FC1) \$8000.00 each



The On-Board Recorder (OBR) with Fixed Input Channels is a 12-channel data recording unit for receiving analog inputs from sensors with input voltage up to 5 Volts. (The voltage input range is fixed at 0 to 5 Volts.) The unit digitizes each channel at a sample rate of 100,000 samples per second with 12-bits of resolution. The unit is capable of withstanding shock up to 20,000 g's, and can be powered from a battery. The unit can be recovered for data download, and it may be used multiple times provided that the device is adequately protected within the airframe housing.

The OBR is fast, compact and low cost. Windows software is provided to allow data download and conversion into standard formats. The software can be used to select and activate channels. It can record up to 12 channels of data into its 2 gigabyte memory. Recorded data can be erased, thereby enabling the device to be reusable.

Specifications

Size:	Overall: ~1.875" diameter x 2.25" long (as shown above)
Inputs:	12 channels, each 0 to 5 Volts
Sampling Rate:	100,000 samples per channel, per second
Storage Capacity:	2 GB
Precision:	12 bit
Power Source:	Battery Powered
Shock:	Up to 20,000 g's

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