



METAR information can be displayed in text or graphics.

The GDL 49 teams up with the GARMIN 400 and 500 series panel mounts to bring flight-critical weather data directly to the cockpit. Pilots who install the GDL 49 and subscribe to Echo Flight's weather data link service can have instant access to NEXRAD weather data and METARs. The data can be displayed in textual or graphical format on GARMIN 400 or 500 series units such as the popular GNS 430 and GNS 530.

Echo Flight's subscription-based weather data is an alternative to other Flight Information Services (FIS). Unlike broadcast FIS data, Echo Flight uses ORBCOMM's

network of low-earth orbit satellites to deliver weather information on a request/reply basis. With the GDL 49, there are no altitude restrictions and pilots can request weather data at their current location, their destination, or anywhere in between.

The GDL 49 delivers up-to-the-minute weather information where pilots need it most — in the cockpit.



GDL 49 satellite data link transceiver specifications

Physical

Dimensions: 9" L x 5.4" W x 2.1" H
Mounting: Horizontal or vertical
Weight: 2.47 lbs. installed

Environmental

Temperature: -40°C to +70°C (Operating)
-55°C to +85°C (Storage)
Humidity: 95% non-condensing
Altitude range: -15,000 ft. to +50,000 ft.

Power requirements

Typical: 6 Watts
Maximum: 31 Watts

Satellite communicator

Transmitter:

Frequency: 148 – 150.05MHz
Power: 5 Watts
Uplink data rate: 2400 bps

Receiver:

Frequency: 137 – 138MHz
Sensitivity: -118dBm
Downlink data rate: 4800 bps

Certification

RTCA/DO-160D; RTCA/DO-178B level D

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