

GL1020FTE Avionic Logger

Data Logger as Flight Test Equipment

What is GL1020FTE?

The data logger GL1020FTE is a flight test equipment to record avionic bus communication. It is designed for application in the pressurized fuselage area to independently record communication data of various aircraft systems during flight testing.

The logger meets the typical avionic requirements on electromagnetic compatibility (EMI).

Overview of Advantages

- > Very short start-up time
- > Fast data up- and download
- > Extensive filtering and trigger conditions
- > Convenient offline bus analysis in CANoe, CANalyzer, CANape, and vSignalizer
- > Housing protects against dust and humidity
- > Suitable for rough surroundings and resistance against:
 - > Typical acceleration
 - > Operational vibration

Avionic Features

- > Designed for compliance with DO-160E
- > No impact on the bus communication in the aircraft
- > Protection from short circuit
- > Protection from indirect lightning effects
- > Mounting plate with bonding point
- > RF emission and susceptibility according to typical avionic requirements
- > Operational at altitudes up to 36,000 ft
- > Housing in RAL2004 color

Functions

- > Triggered logging: Trigger on symbolic messages, CAN identifiers or signal values with configurable pre- and post-trigger times
- > Conditional logging: With configurable start and stop conditions as well as filter options to reduce the amount of data
- > Configurable LEDs for indication of various conditions
- > Beside CAN traffic, measured values from analog inputs can be stored time-synchronously.
- > Flexible configuration with easy-to-use configuration tool

- > Fast data upload via USB 2.0 and conversion in multiple data formats (e.g. BLF, ASC, MS Excel) for offline analysis in CANoe, CANalyzer, CANape, vSignalizer or third party tools

More information:

www.avionics-networking.com/gl1020fte



The GL1020FTE logger is designed for aerospace requirements.

Technical Data	
CAN channels	2 channels (transceiver: TJA1043, high-speed up to 1,000 kBit/s)
Memory	SD/SDHC memory card up to 32 GByte (8 GByte included; up to 400 million CAN messages with DLC 8)
PC interface	USB 2.0
Input	4 analog inputs (0 V ... 16 V, sampling rate max. 1 kHz)
Output	4 user configurable LEDs
Start-up time	300 ms
Supply voltage	9 ... 33 V DC (28 V DC typ., supply dropouts up to 200 ms tolerated)
Altitude	Up to 36,000 ft
Temperature	-40 ... +85 °C (data upload and configuration of logger: -15 ... +70 °C)
Dimensions (L x W x H)	208 mm x 120 mm x 37 mm (incl. mounting plate)
Weight	Approx. 495 g