MotoMon

EMX-1™ PROBE

Proprietary data collection module provides Live transport telemetry.
Extension of GL200 GPS tracker.
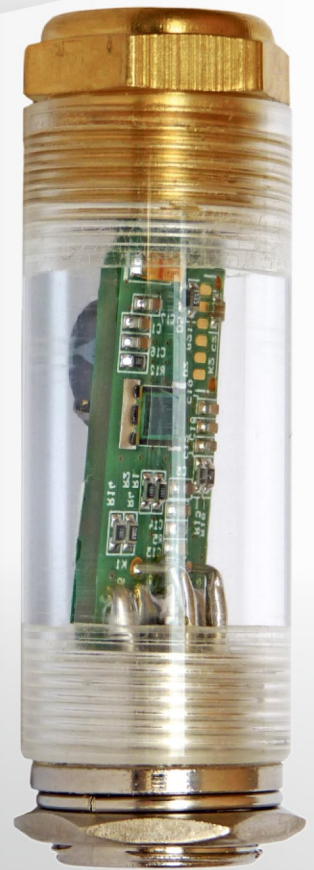
Secure Flight™ Mode
· Suppresses transmissions while onboard aircraft
· Airline approved RTCA/DO-160

Ultra Low Power Consumption
· no batteries

Circular Data Buffer
· 512 kB flash
· 7000 data samples buffer
· can sample every 30 seconds

Temperature
• Range: -20 to 60 °C
  (range limit of integrated thermometer)
• Resolution: 0.1 °C
• Accuracy: typ. ± 0.5 °C

Ultra-low temperature
• *externally attached sensor OPTIONAL*
• Sensor Pt100 (IEC751) to -100°C

Relative humidity
• Range: 0-100%
• Resolution: 0.1 or 1%
• Accuracy: typ. ± 2% (to 10-90%, and 25 ° C)

Additional sensors (standard)
• Atmospheric pressure
• Illumination intensity
• Acceleration G-Forces measurement
• Tilt detection
• Detection of shock / dropped / movement

Programmable parameters
• On / Off setting for each sensor
• Measurement period in minutes
• Data sending period in minutes
• Alarm level for each sensor
• Password protection

Mechanical design
The dimensions are ø20 x 60 mm.
On one side XLR connector for connecting an external thermometer and tracker, the other side is a porous plug of sintered bronze. The body is transparent Plexiglas. Degree of protection IP40.

Regulatory compliance
• Calibrated at time of manufacturing and annually thereafter
• Traceable to National Institute of Standards & Technology (NIST) and other global government institutes of standards
• Software & firmware validated to Good Automated Manufacturing Practices (GAMP)

Operations
• Automated event communications via GSM or SMS
• No software required
• Transport Environment Monitoring System (TEMS) eliminates most human intervention, reduces errors, increases productivity, and validates transports
• Entire transport telemetry report including temperature is sent immediately upon arriving at destination or when package is opened/exposed to light

MotoMon
Real-time GPS tracking / monitoring fleet vehicles, assets and people