Electronic Water Sensor
AFGUARD® Stainless Steel

Qualified to specification EI 1598 2nd Edition

Electronic sensor for the detection of free water in aviation fuels. The AFGUARD® is recommended for use downstream of all EI-qualified filtration technologies to verify filter performance. It is designed to interface with various Programmable Logic Controllers (PLC). The AFGUARD® is qualified for use as an alternative to Chemical Water Detectors (CWD) by JIG.

References:
- Accepted by Joint Inspection Group (JIG)
- Recommended by IATA Fuel Quality Pool (IFQP)
- Fully hazardous-area (ATEX and IECEx) approved
- Performance tested under various environmental conditions
- In the market for more than 10 years

Application Area

- Designed for harsh environment offshore
- Electronic sensor according to EI 1598 2nd Edition
- Fit for purpose on civil and military mobile helicopter fuelling applications
- To be used in conjunction with EI-qualified filtration technology

Technical Data

Input

• Measuring range:	0 ... 50 ppm (accuracy depending on calibration) Water slug

Environmental conditions

• Operating temperature range:	-30°C (-40°F) to 60°C (140°F)
• Storage temperature range:	-40°C (-40°F) to 75°C (167°F)
• Rel. humidity:	10 % ... 90 %
• Ingress protection acc. EN 60529:	IP67
• Operating pressure:	16 bar

Performance and parameter

• Voltage U_o:	30 V DC
• Current I_o:	100 mA
• Power P_o:	750 mW

Output

• Linear signal output:	4 to 20 mA

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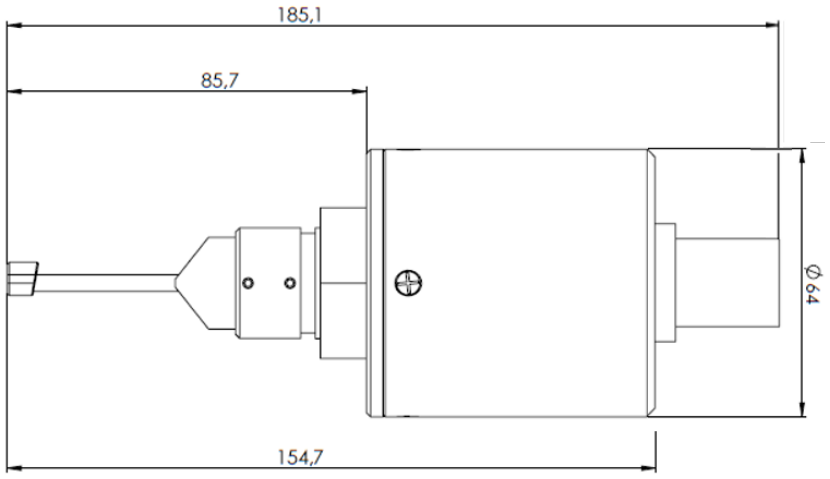
Data For Application In Connection With Hazardous Areas

ATEX:	II 1/2G Ex ia/ib IIB T4 Ga/Gb II 1/2G Ex ia IIB T4 Ga/Gb
IECEx:	Ex ia/ib IIB T4 Ga/Gb Ex ia IIB T4 Ga/Gb

Standard Design

• Material:	
Sensor head	SS 1.4301
Glass rod	Optical glass
Sealing	Klingersil, FKM
• Process connection:	G 3/4 inch

Dimensions



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