

EASZ 2Sd – Standard

EASZ 2Ex – For Hazardous Areas

The EESiFlo EASZ-2 Water-In-Oil Monitor is a full-bore inline and online highly accurate product designed to continuously monitor the water content in a flowing hydrocarbon media (oil). It is inline because it can be easily fitted into an existing pipeline and online because it continuously monitors and transmits data.

Available to all industries that need to monitor water in oil or fuel in real time in hazardous or non-hazardous conditions.

- **Highly accurate** measuring system up to $\pm 0.05\%$ with response time 1 s
- Digital RS485 and analogue 4 – 20 mA communication
- CE Compliant
- Ingress Protection IP66
- **ATEX and IECEx available** (EASZ 2Ex – For Hazardous Areas)
II 1/2G Ex db ia IIB T4 Ga/Gb
- High visibility OLED display and LED status background
- Sensor pipe all in 316 stainless steel
- **A wide range of pipe sizes**, pressure ratings and connection options available:
Threaded $G\frac{1}{2}$ " - G3"
Flanged 1" - 48"
PN10 - PN40 (150 - 1500 ANSI)



Water In Oil Monitor	EASZ 2Sd	EASZ 2Ex
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▪ **Environment**

Protection	II 1/2G Ex db ia IIB T4 Ga/Gb for EASZ 2Ex
Certificates	FTZÚ 17 ATEX 0154X IECEX FTZU 18.001X
Ingress Protection	IP66
Ambient Temperature	-20°C to +60°C (-4 to 140°F)
Media Temperature	0°C to +90°C (32 to 194°F)
Storage Temperature	-20°C to +60°C (-4 to 140°F)
Relative Humidity	RH up to 95%

▪ **Measurement**

Range for Water in Oil	0 – 10%
Accuracy	± 0.05% for range 0 – 1%
Response time	1 s

▪ **Power Supply**

Rated Voltage Range	11 – 28 Vdc
Nominal Voltage	24 Vdc for EASZ 2Sd 24 Vdc SELV for EASZ 2Ex 24 Vdc IS for EASZ 2Ex *
Power Consumption	2 W
Cable Gland	NPT ¾ (for cable Ø 13 - 18 mm)

▪ **Physical Parameters**

Body	191 x 132 x 125 mm Die cast aluminium powder coated
Sensor Pipe	316 Stainless Steel
Sensor Pipe Connection	Threaded G½" - G3" Flanged 1" - 48" PN10 - PN40 (150 - 1500 ANSI)

▪ **Interface**

Digital Communication *	RS485 - 115200 baud MODBUS
Analog Output *	4 - 20 mA (8 - 28 Vdc) passive or active current loop (3.5 - 20.5 mA maximum range)
Open Collector Output *	State "0" or "1" (off or on) - Maximum 50 V / 45 mA

▪ **Intrinsic Safety (*)**

All the outputs are IS if the unit is powered by an IS power supply.
All the outputs are not IS if the unit is powered by a normal supply.

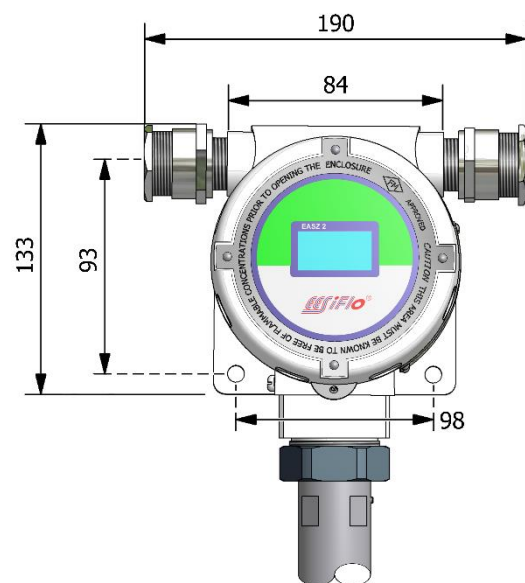


EESIFLO reserve the right to make alterations to the technical specification without notice.

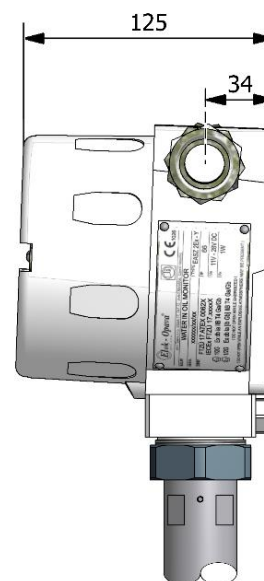
OLED Display and LED status background



Front View



Side View



Sensor Pipe
Varies depending on size of connection