

Serie
DLS-001
"Dragon"

Mud FlowLevel Return Sensor

A paddle type flow line sensor that uses an intrinsically safe Ex ia IIC (Zone 0) 10 bit absolute encoder to monitor the movement of the paddle.

4...20 mA 2 wire current loop output

Zone 0 Ex ia IIC Certified

SIRA 11 ATEX 6274

IECEX SIR 10.0105X

CSA 2495719

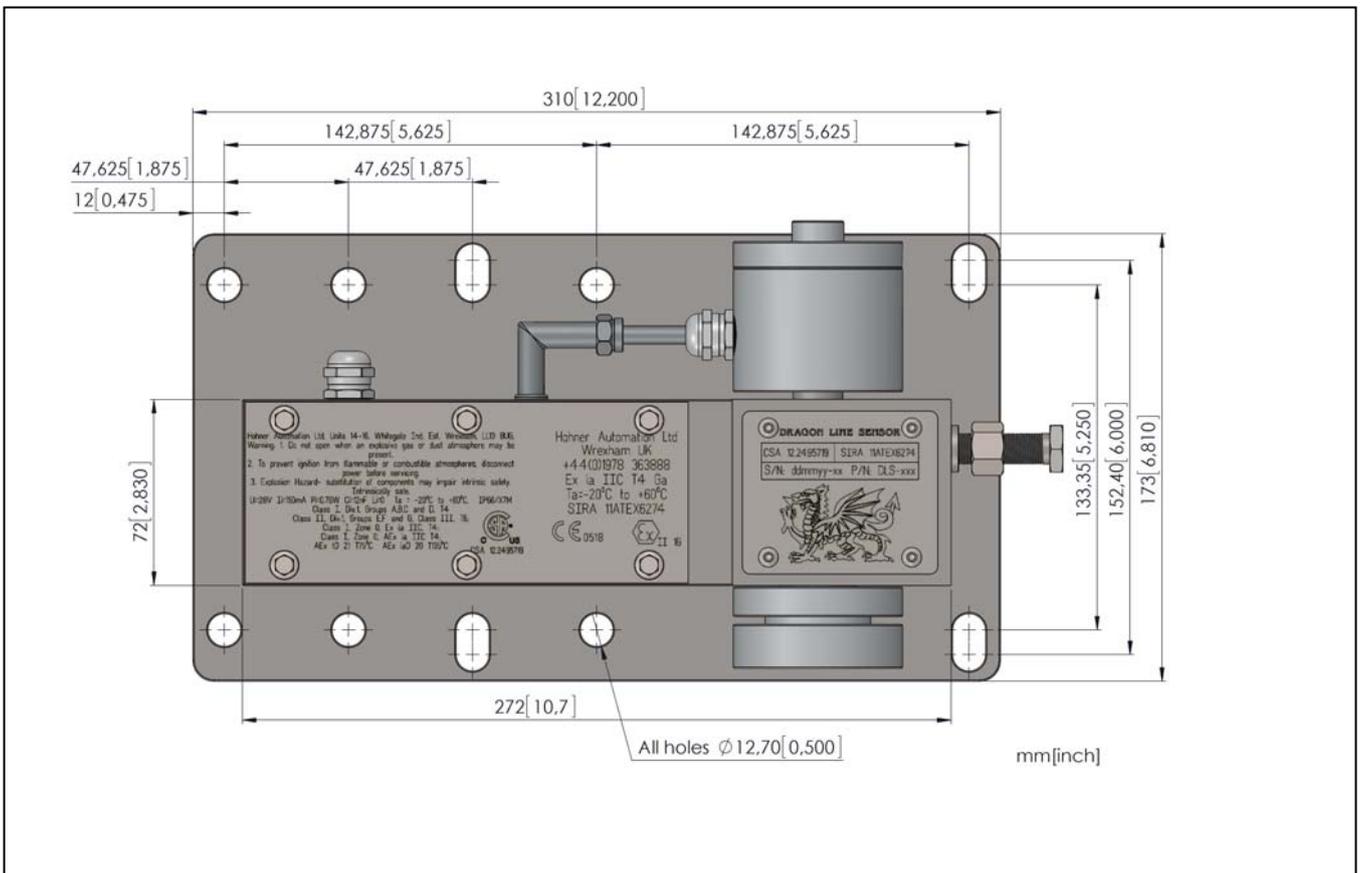
GOST (CU) RU C-GB-ГБ05-B-00570

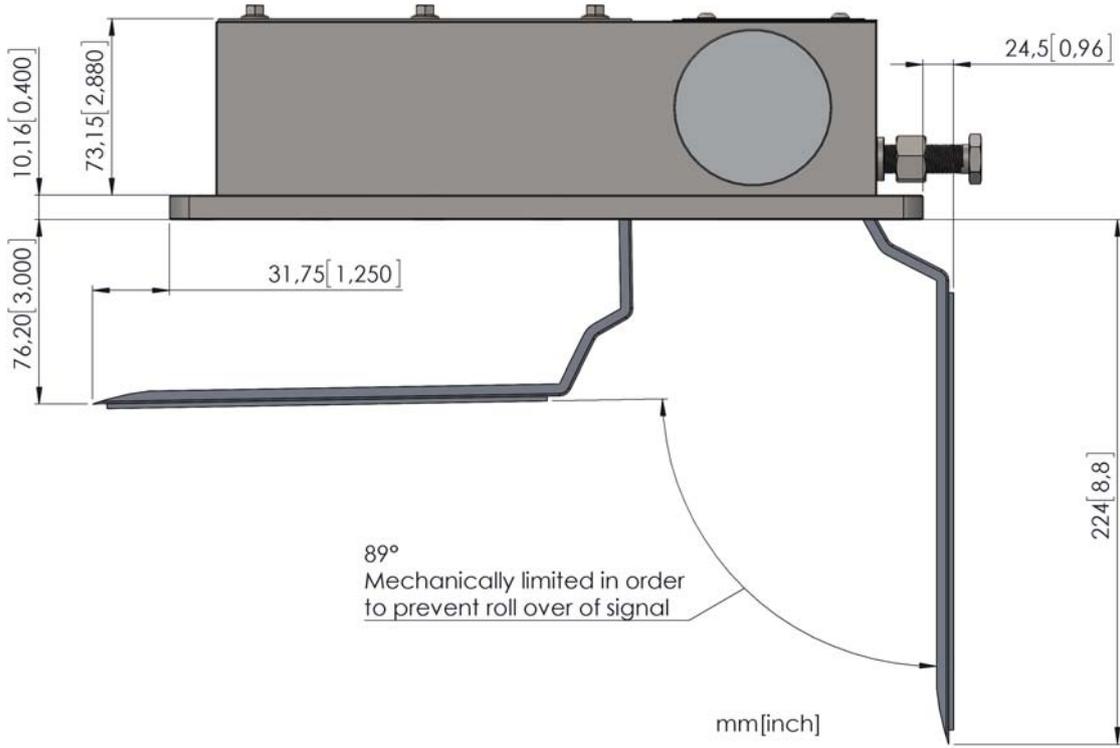
Precision:

8 absolute bits / 256 steps per the 90 degrees within 16mA equivalent to:

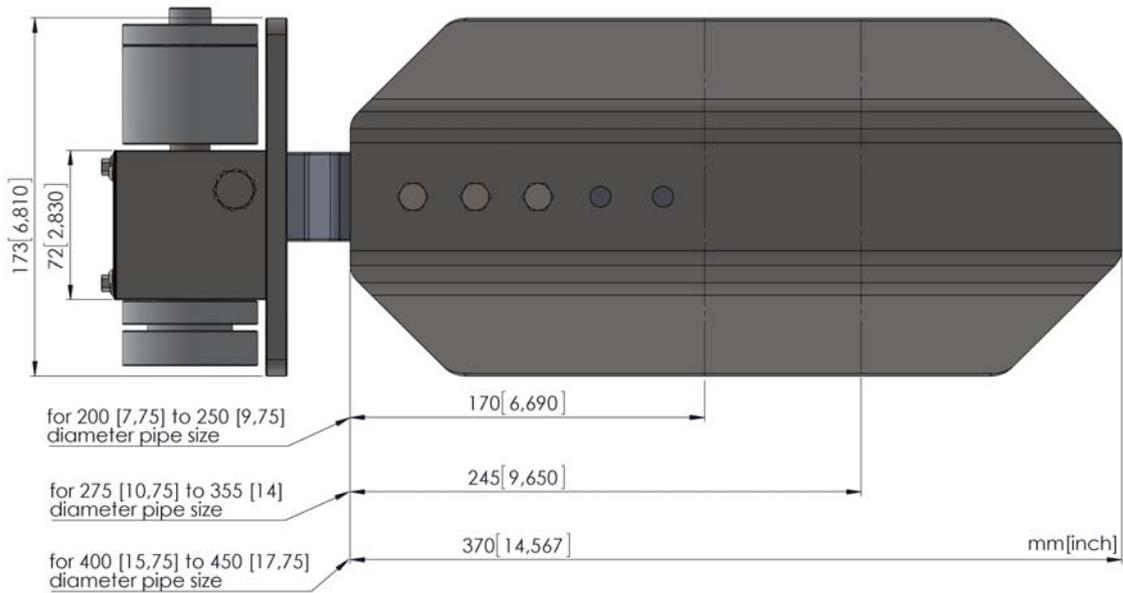
1 degree has 0.177mA

0.177mA has 2.84 steps





Paddles can be adjusted by 66 [2,6] along arm



Technical Data

Operating temp:	- 20 ...+ 60 degrees C - 4 ...+ 140 degrees F
Certification:	ATEX, IECEX, CSA
Weight:	26 lbs (12 kg)
Protection:	IP 66 / X7 M
Material Encoder:	Stainless Steel
Material Chassis:	Stainless Steel
Material Paddles:	Stainless Steel
Material Springs:	Stainless Steel

Paddle's for Following Pipe Sizes

Small Paddle	7.75" to 9.75" Ø 200 to 250mm Ø
Medium Paddle	10.75" to 14" Ø 275 to 355 Ø
Large Paddle	15.75" to 17.75" Ø 400 to 450mm Ø

*Paddles can be Tungsten Coated as an Option
Different Shape and Size Paddles available*

Certification

IP 66 and Ex ia IIC T4
SIRA 11 ATEX 6274
IECEX SIR 10.0105C
CSA 2495719
GOST Custom Union B00570
Best suited to work with the following MTL isolator: MTL5541

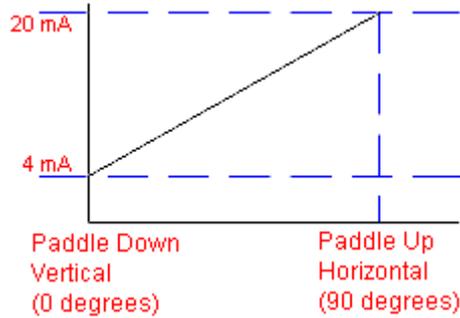
Connection Options

Cable (available as wireless or with connector as well)

+ Loop	Red (+ Current)
- Loop	Black (- Current)

Output Limits

When the paddle is down (vertical), the output is 4mA
When the paddle is up (horizontal), the output is 20mA



Special Options

- Different connectors and or cable glands
- Different mounting hole arrangements on base plates