





Linear transducer with wire potentiometer technology.

Excellent repeatability, high IP rating, resistance to shock and vibrations, and high electromagnetic compatibility make this transducer suitable for mobile hydraulics applications.

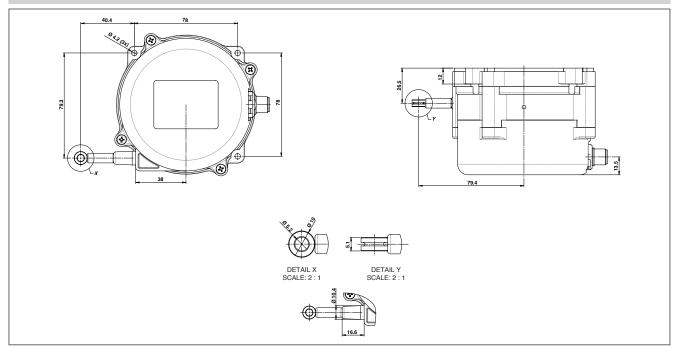
Developed to guarantee a robust, high-performance solution for applications such as agricultural vehicles, earth-moving machines, and hoisting equipment.

TECHNICAL SPECIFICATIONS

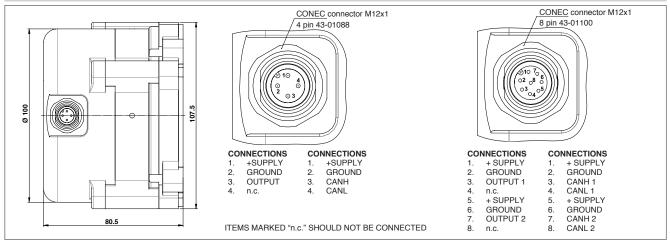
Measurement Range	
Stroke 1.800mm - 2.300mm - 3.300mm - 4.300m 5.300mm - 6.300mm - 7.300mm - 8.000mm - 8.3	
Supply voltage	
+1030 Vdc (potentiometric - voltage divider- out +1036 Vdc (other output - see output signal for	. ,
Output signal	
Potentiometric - voltage divider- output; 0.54.5	V; 010V; 420mA;
Electrical connections	
M12 connector output	
Resolution	
Virtually infinite for potentiometric - voltage divide 0.54.5V, 010V, 420mA 12 bit; CANopen ou	
₋inearity	
± 0.5% FS	
Repeatability	
± 0.1% FS	
Vorking temperature	
-40°C+85°C	
/ibrations	
20g between 10 Hz 2000 Hz EN 60068-2-6	
Shock	
Pulse on 3 axes; 50g 11 ms EN 60068-2-27	
Electromagnetic compatibility	
According to Directive 2004/108/CE	
Life cycles	
250.000 (potentiometer)	
P Protection Level	
M12 connector (IP67)	
Constructive material of transducer body and	wire
Transducer: PBT	

Wire: AISI316 stainless steel, Ø0.85mm nylon coating

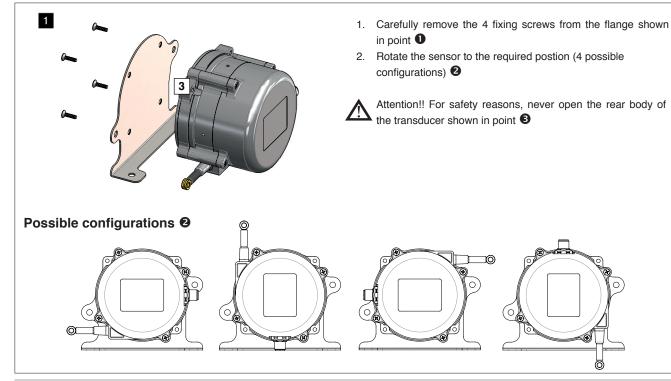
MECHANICAL DIMENSIONS



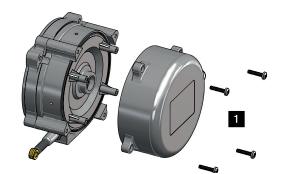
ELECTRICAL CONNECTIONS



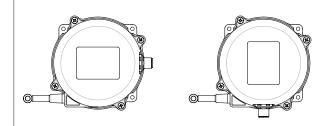
HOW TO CHANGE THE MEASUREMENT WIRE OUTPUT



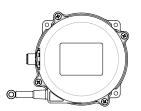
HOW TO CHANGE THE DIRECTION OF THE CONNECTOR

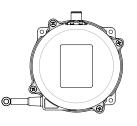


Possible configurations **2**

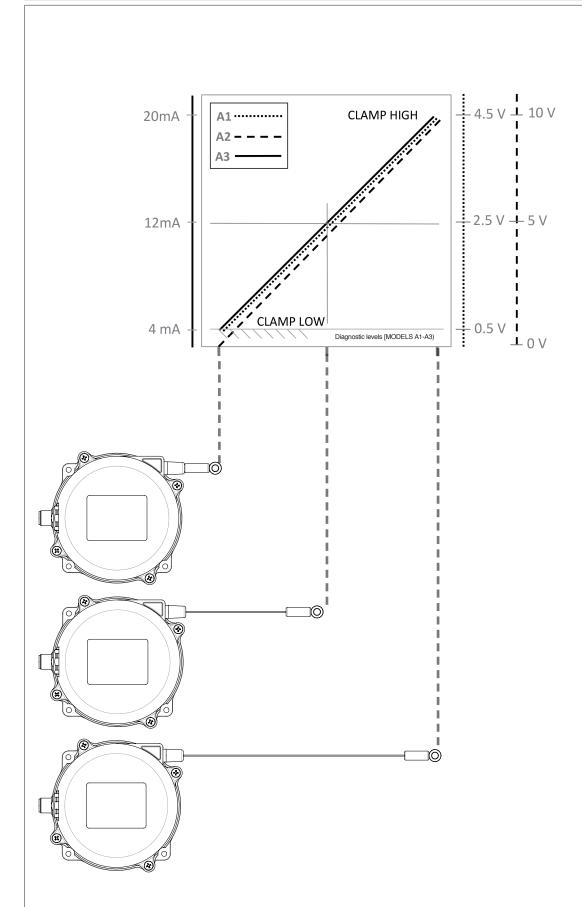


- Carefully remove the 4 fixing screws from the closing cover shown in point **1**
- 2. Rotate the closing cover to the required postion (4 possible configurations)
- Attention!! When closing the cover, be careful not to twist and/or crush the connector wires.





OPERATING SPECIFICATIONS: OUTPUT SIGNAL GRAPHS



LOAD CONDITIONS

+0.5Vdc...+4.5Vdc output (powered at +10..36VDC) and 0..10VDC output (powered at +11..36VDC) : apply a load resistance >100Kohm

+0.5Vdc...+4.5Vdc output (powered at +5VDC): apply a load resistance > 10Kohm

- 4..20mA output (powered at < + 15..36VDC): maximum allowed load resistance is 200 ohm
- 4..20mA output (powered at > + 15..36VDC): maximum allowed load resistance is 500 ohm

GSF - WIRE POTENTIOMETER TRANSDUCER

0.5...4.5Vdc (powered at +10..36Vdc)

0...+10Vdc (powered at +11..36Vdc)

4...20mA output (powered at +10..36Vdc)

CANopen output (powered at +10..36Vdc)

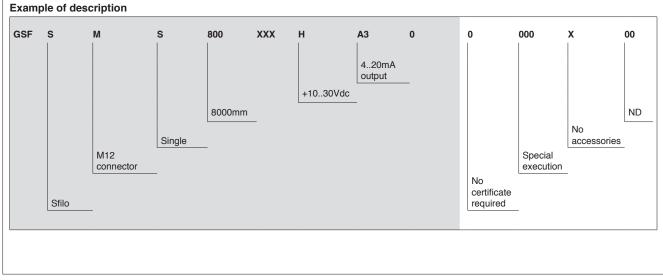
TRANSDUCER T	YPE
Wire transducer	S
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ELECTRICAL CONNECTI	ONS
M12 connector output	М
CIRCUIT T	TYPE
Single	S
Redundant	R
MEASUREMENT RA	NGE
measurement range (specify)	ххх
available stroke: 1.800mm-2.300mm-	
3.300mm-4.300mm 4.800mm-5.300mm-	
6.300mm-7.300mm-8.000mm-8.300mm	
SUPPLY VOLT	AGE
+1030 Vdc (potentiometric - voltage divider- output)	L
+1036 Vdc (other output - see output signal for right supply voltage)	н
Ουτρυτ τ	TYPE

A1

A2

A3

C1



GEFRAN spa reserves the right to make any kind of design or functional modification at any moment without prior notice.



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