

Technical Information

Transducer type	Linear transducer with wire potentiometer technology
Measurement range	4,800mm
Measurement resolution	Virtually infinite
Supply voltage	30V (maximum)
Output signal	<ul style="list-style-type: none"> Potentiometer Voltage divider
Electrical connections	M12 connector output
Linearity	±0.5% FS
Repeatability	±0.1% FS
Working temperature	-40°C ÷ +85°C
Vibrations	20g between 10 Hz ÷ 2000 Hz according to IEC60068-2-6
Shock	Pulse on 3 axes 50g 11ms according to IEC 60068-2-27
Electromagnetic compatibility	2014/30/EU Electromagnetic Compatibility (EMC)
Life	<ul style="list-style-type: none"> 250,000 cycles (strokes up to 5300mm) otherwise 2,000 km routes Typical speed 1m/s Typical acceleration 1g
Sealing	IP67 with female mating connector
Constructive material of transducer body and wire	<ul style="list-style-type: none"> Transducer: PBT Wire: AISI316 stainless steel, Ø 0.85mm nylon coating



Wire position transducer.

The **GSF** is a 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 hydraulic applications.

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

Can be interfaced with WineCap™ dataloggers provided with potentiometric sensor inputs:

- [WSD12T-DD](#)
- [WSD02TH-DD](#)
- [WSD12-4D](#)

The features shown may be subject to change without notice.