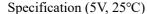


String Displacement Sensor DSS-1500

- String potentiometer style;
- Suitable for harsh environments such as crash test;
- Small size, easy install (mounting block supplied);
- Measurement range 1500mm;
- Wire max. tension 7N~14N; Acceleration up to 58g;
- Anti-Shock≥100g.

DSS-1500 contains an adjustable potentiometer inside and a coaxially designed steel wire coil. When the steel wire stretches or contracts, the resistance of the potentiometer changes accordingly. Its unique internal design keeps the displacement and output voltage constant. A good linear relationship is achieved. The steel wire is made of 304 stainless steel and is designed with high tension. It is very suitable for high-speed measurement applications, such as parts moving during car crash test, and status monitoring of aviation airborne equipment.



Unit	Value
mm	1500
N	7~14
mm	0.6
%FS	±0.1
%	0.1
Ω	5k±10%
g	58 max.
VDC	20
ppm/°C	±20
g	>100
ΜΩ	>100
°C	-45~+105
Cycle	1million
/	Al. Alloy
grams	330
mm	63.5×71×60
	mm N mm %FS % Ω g VDC ppm/°C g MΩ °C Cycle / grams

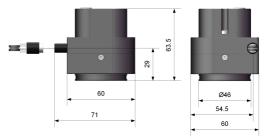
Cable length default 8m;

Including mounting fixture.

Extend wire can be required.







Assembly with Fixture:



Cable Define:

Excitation+
Excitation-
Signal+
Signal-
Connector Case if have