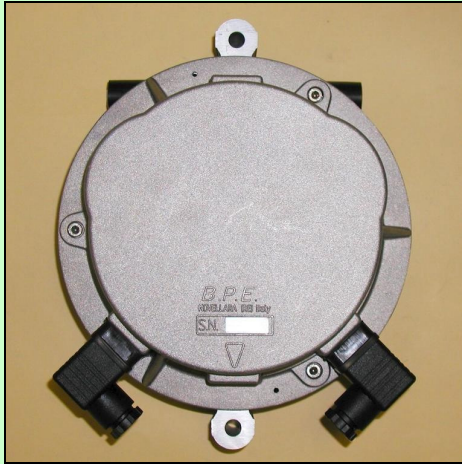




Angle/Length transducers

A/S Series



Description

Transducer for OEM applications. It measures the angle of inclination and extension of the boom in cranes, truck cranes and overhead platform systems, allowing the operating area of the system to be managed.

All models can be supplied with double angle sensor with dampened oscillation and double length sensor for safety applications in redundancy mode.

The transducer consists of an easily installed, strong, compact and watertight aluminium casting and can be supplied for installation on both the right or left sides.

Electrical connection through «Hirschmann DIN43650 3+T» connectors, two if the transducer is doubled, according to the norm.

It is provided with an ABS casing to protect the pulley.

Note: the user/installer is responsible for evaluating the values and, thus, the safety of the application.

Technical data

Model	No. of sensors	Working length measurement
A/S 8.5 - S	1 / 1	8.5 m
A/S 11.5 - S	1 / 1	11.5 m
A/S 14.0 - S	1 / 1	14.0 m

Model	No. of sensors	Working length measurement
A/S 8.5 - D	2 / 2	8.5 m
A/S 11.5 - D	2 / 2	11.5 m
A/S 14.0 - D	2 / 2	14.0 m

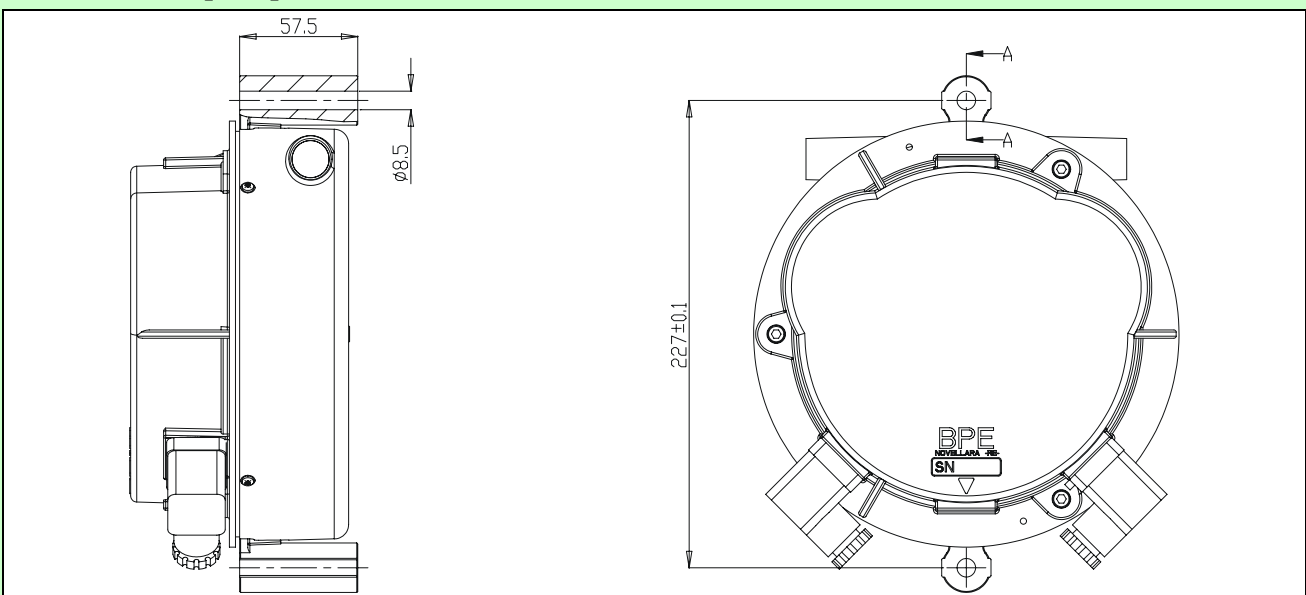
Common characteristics

Measurable angle	± 150	degrees
Maximum input voltage	33	Vdc
Output voltage rating	0÷Vin	Vdc
Operating temperature	-25÷70	°C
Standard protection grade	IP 65	-

Accuracy (non linearity, hysteresis and repeatability)		
- Angle sensor	± 0.5	%FS
- Length sensor	± 1.0	
Weight	2.7	kg

Optionals: electrical connection by cable glands

Dimensions [mm]



It is prohibited to use this apparatus/accessory until the machine onto which it is mounted has been declared in conformity with the Machine Directive 98/37/EEC.

BPE Electronics Srl should modify technical datas without advise

A/S v.2.03 2008