



## Impact sensor APS-BDA



### Technical details:

Measuring range:	0 -10 V
Neutral position:	7.5 - 8.5 V
Temperature range:	-40°C to +85°C
Power supply:	via ADDM (Sensor Adjustment module )
Line:	LiDY 2 x 0.25 mm <sup>2</sup> + Shield 1 x 0.25mm <sup>2</sup> , Standard length: 5m
Casing:	1.4301

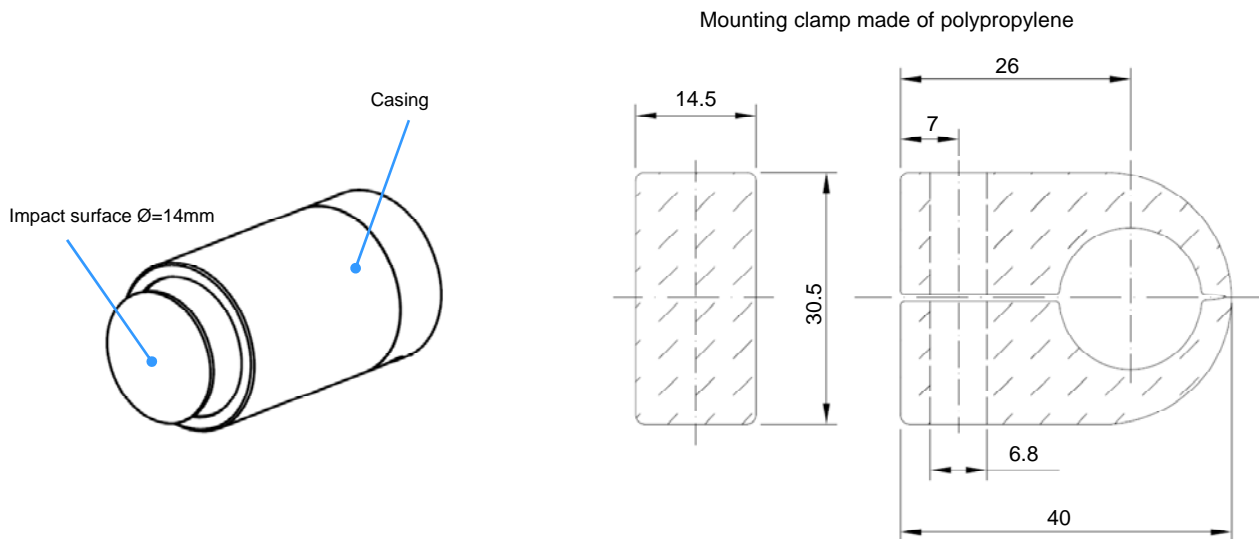
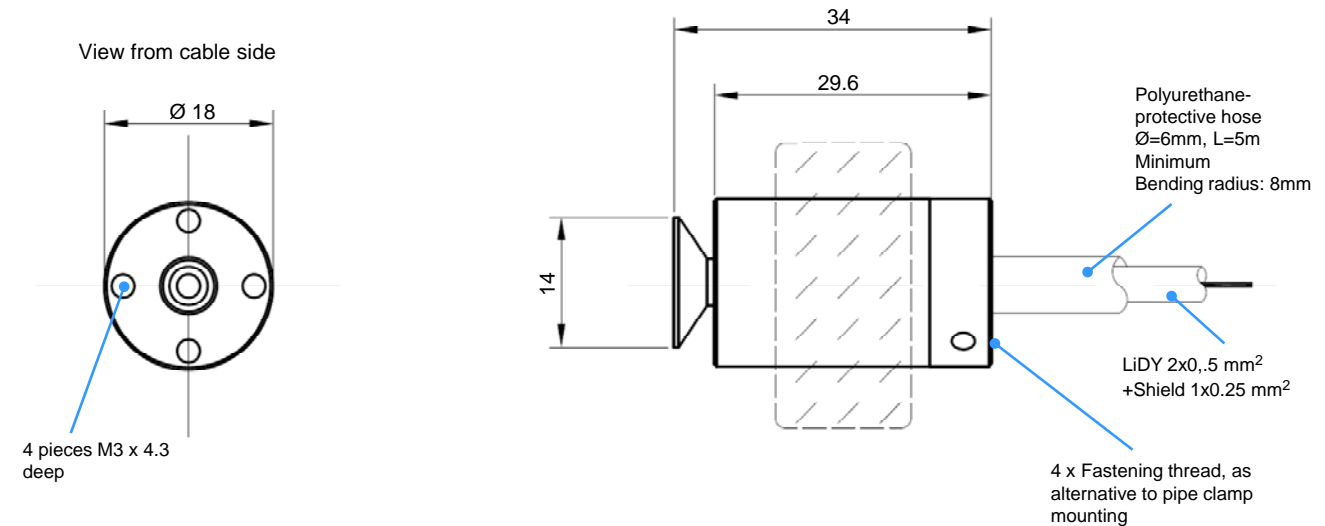
### Function:

- Construction of jet barriers by means of water, coolant or compressed air beam to monitor breakage-induced tool shortening or the clamping position or the presence of workpieces (Alternative to laser light barrier)
- Measurement of the dynamic pressure of the beam hitting on its round baffle plate. Already works with low impact velocities.

## Assembly:

The assembly of the APS-BDA occurs alternatively with enclosed mounting clip or via the 4 fastening threads M3 on the cable side of the APS-BDA. The connection of the APS-BDA sensor to the tool monitor occurs via the sensor adjustment module ADDM (order number 6.2.5) at terminals 3 (brown) and 4 (white). The shield (black) is connected (black) to the machine earth. The measured value must be smoothed with the ADDM (order number 6.2.5) according to vibration excitation of the impact surface. This type of smoothing is strongly preferred to a smoothing via the Tool Monitor!

## Sensor APS-BDA:



### Order number:

8. 2 .3      **APS-BDA**

### Measuring principle:

Measurement of the dynamic pressure of beam hitting on a round baffle plate (water beam, chill lubricant beam or compressed air beam).