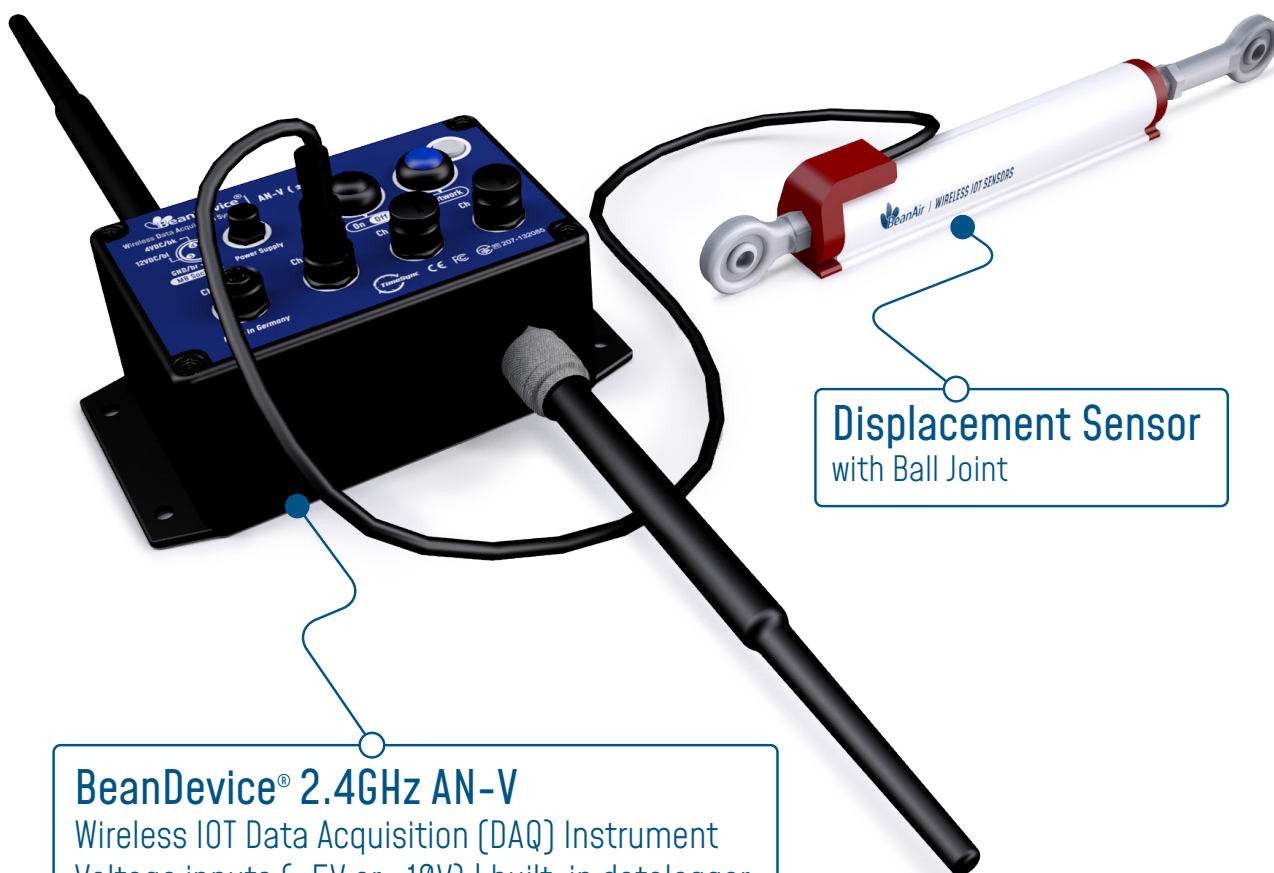


Displacement Sensor

Displacement Sensor with Ball Joint
compatible with BeanDevice® 2.4GHz AN-V



- Measurement range 10 - 400 mm
- Long mechanical life
- Excellent repeatability <0.01 mm



Displacement Sensor
with Ball Joint

BeanDevice® 2.4GHz AN-V

Wireless IIOT Data Acquisition (DAQ) Instrument
Voltage inputs ($\pm 5V$ or $\pm 10V$) | built-in datalogger

Displacement Sensor

TECHNICAL SPECIFICATIONS

PRODUCT REFERENCE

DISP-SENS-BJ-MS-YY-CL-XX

MS-YY - Measurement stroke

10mm, 25mm, 50mm, 75mm, 100 mm, 125 mm, 150 mm, 175 mm, 200 mm, 250 mm, 300 mm, 350 mm, 400 mm

CL-XX- SENSOR CABLE LENGTH

from 1m to 20 meters

Example: DISP-SENS-BJ-MS-100MM-CL-10M

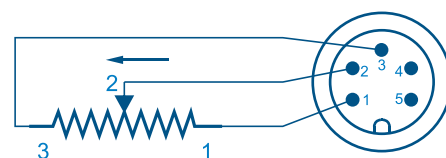
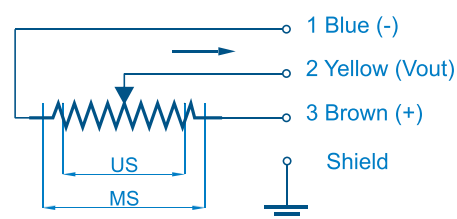
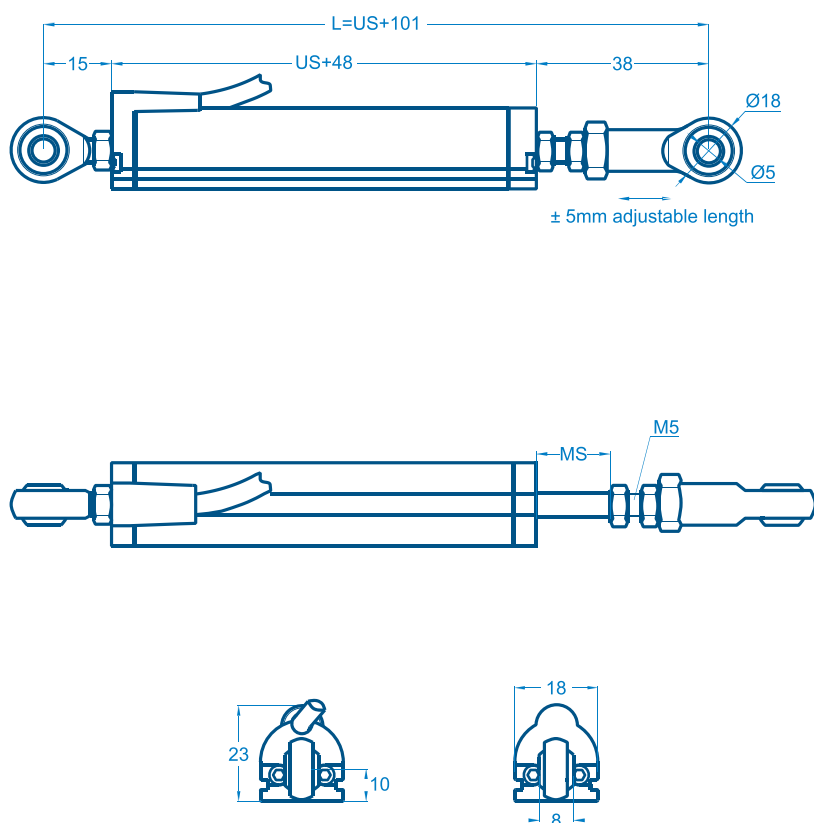
Displacement sensor with ball joint, Measurement stroke 100mm, Cable length 10 meters

DISPLACEMENT SENSOR SPECIFICATIONS

Sensor technology	Linear potentiometer with ball joints on both sides
Measurement stroke	10mm to 400mm
Linearity	±0.05% (>200 mm) , ±0.1% (130-200mm) ±0.2% (75-130mm), ±0.5% (<75mm)
Repeatability	< 0.01mm
Resolution	related to Beandevise® AN-V precision, 0.01%
Resistance	2 kOhm: 10....50mm 5 kOhm : 75....400mm
Max Voltage	28VDC . Can be directly powered from BeanDevice AN-V, recommended power voltage 5VDC (BeanDevice® AN-V ±5V) or 10VDC (BeanDevice® AN-V ±10V)
Displacement speed	< 5m/s
Mechanical Life	100 millions movements
Casing dimensions	18 mm of diameter
Casing material	Anodized Aluminum
Rod material	stainless steel
Rod diameter	5 mm of diameter
Mechanical mounting	ball joints on both sides
Waterproofness	IP66
Operating Temperature	-20°C to +80°C
Connection Plug	M12-4pins Plug Waterproof IP67
Beandevise® Compatibility	compatible with BeanDevice® 2.4GHz AN-V ±5V and ±10V

Displacement Sensor

DRAWING



DISP-SENS [mm]	10	25	50	75	100	125	150	175	200	250	300	350	400
US [Usefull Stroke]	10	25	50	75	100	125	150	175	200	250	300	350	400
MS [Mecanical Stroke]	13	28	53	78	103	128	153	178	203	253	303	353	403
L [total Length]	111	126	151	176	201	226	251	276	301	351	401	451	501

Displacement Sensor

CONTACT US

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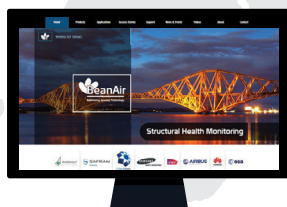
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