

ASA10*180 ANGLE SENSOR

This brand new device is based on the use of an internal static sensor, driven by a proper inside microprocessor. Specifically designed for applications on mobile machines, its compact design and ease installation, together with the lack of inside mobile components offer a unique rugged solution, resumed in its 1000 g's proof.

Suitable where 300° angle measuring is required, its basic control function consists in generating an analogue output signal corresponding to its angle to gravity.

Typical applications are cranes, access platforms, fire ladders, excavators, drilling rigs, etc., wherever environmental immunity is required.

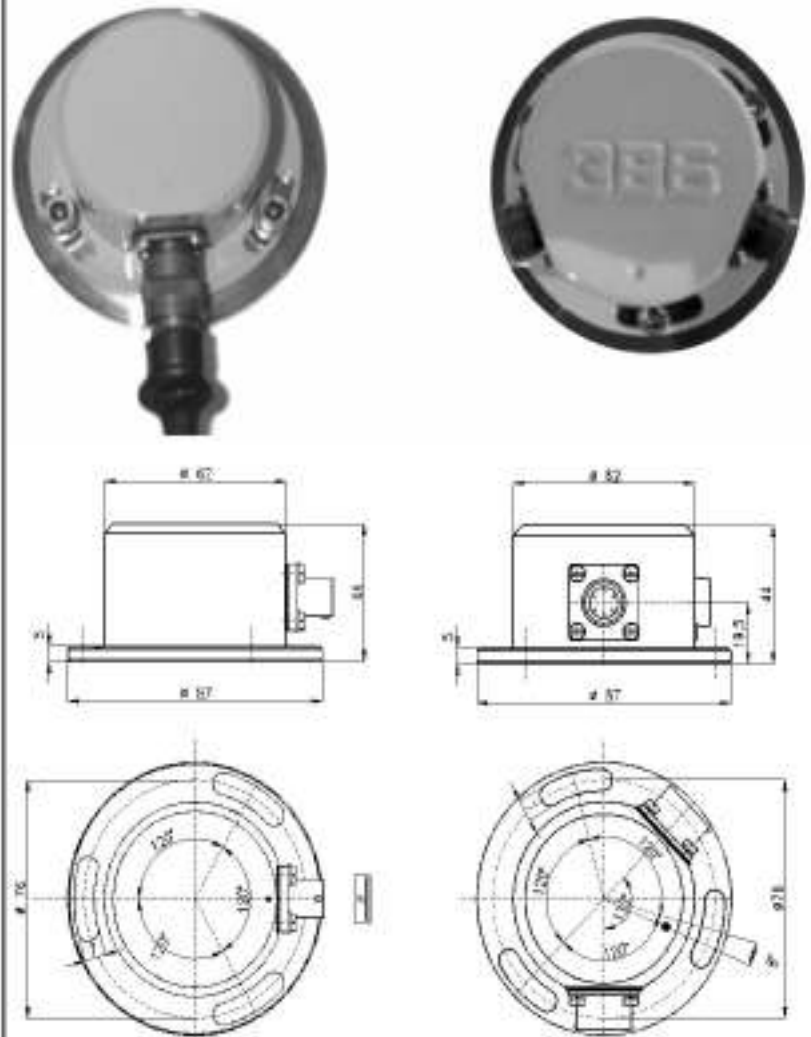
Basic version connection by MIL connector including 1.5 Mt. cable.

ASA sensor also exists in following configurations:

"P" = Equipped with a second input connector to allow another sensor signal "passing-through" and a consequent single connecting cable (2 section booms)

"W" = Under-water tight version up to 8 meters depth (special for buckets)

"H" = "Rugged" version equipped with increased mechanical resistance (nipple and hydraulic hose protection)



TECHNICAL SPECIFICATIONS

- Highest reliability by using static components.
- Output signal 0-4,5 Vcc equivalent to 13.8 mV/°
- Supply Voltage 10-30 VDC by battery or 5 Vcc ±1%
- Current sink 40-70mA on 10Kohm load
- Vibrations endurance 10 g @ 50 Hz, 1000 g's shock proven
- Operating temperature range -25 °C +70° C
- Accuracy 0.3°
- Weigh (standard model) 2780 g
- It is made in conformity with the following CE directives end standards : EN 50081-2 and EN 50082-2.

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