

# SMC Motion Sensor Cabling

## Accessories

SMC offer a full line of standard accessories to accompany the IMU-00 and IMU-10 Motion Sensor ranges. These are accessories selected or designed by SMC to aid with installation, performance and environmental factors.

### Junction Box Option

Two standard options are available for selection when ordering an IMU from any range. When ordering an IMU it is recommended to state the option that best fits your requirement. There are no price or dimensional differences with these options.

Material: GRP Glass Reinforced Plastic  
Advantage: Improved Corrosion Resistance  
Dimensions: LxWxD 160x160x90mm

Material: Aluminium  
Advantage: Better Grounding Abilities  
Dimensions: LxWxD 160x160x90mm



### Cables

As standard with both IP66 surface and IP68 30m depth rated options a 10m cable is offered.

If additional cable lengths are required these can be ordered as modifications or optional extras.

IP66 Cable for Surface motion sensor  
TPU, shielded 19 core cable  
5m, 10m (standard), 20m, 30m

IP68 Cable for Submersable Motion Sensor  
Seacon Neoprene, 12 core cable  
10m (standard), 30m



# SMC Motion Sensor Mounting Accessories

An optional mounting bracket is available, designed to simplify wall mounting installations combined with easy motion sensor alignment.

## Wall Mount Brackets

Designed to simplify wall mounting installations combined with easy motion sensor alignment. One advantage with the mounting bracket is that the motion sensor can be removed for servicing or recalibration and repositioned in exactly the same position.

Standard supply is Bracket, Baseplate adapter and fixation screws.

Material 316L Stainless Steel



## Baseplate adapter

The bracket base plate has two pins that correspond to two of the notches in the Motion sensor base. Alignment adjustments can then be made by rotating the bracket adapter. This adapter can be used as a standalone option or together with a SMC wall mount bracket.

Material 316L stainless steel.



# SMC Motion Sensor Enclosures

## Accessories

To extend the motion sensor lifetime SMC recommend using a protective enclosure during offshore installations. The optional enclosure provides additional protection to the motion sensor when required.

### Marine Grade 316L stainless Steel

A corrosive resistant Marine Grade AISI 316L Stainless Steel material. The enclosure is delivered including a terminal list, cable glands mounted in a cable entry flange and a mounting bracket with an adapter for the SMC motion sensor range IMU-00x and IMU-10x.

The enclosure size is L500 x H400 x W250mm and has an IP66 rating for water and dust and IK10 for impact force. The enclosure has a weight of 17 kg including the mounting bracket and terminal list but excluding the motion sensor weight.



### GRP Enclosure

A non-corrosive Glass Reinforced Polyester GRP material. The enclosure is delivered including a terminal list, cable glands and a mounting bracket with an adapter for the SMC motion sensor range IMU-00x and IMU-10x.

The enclosure size is L600 x H400 x W230mm and has an IP66 rating for water and dust and IK8 for impact force. The enclosure has a weight of 12 kg including the mounting bracket and terminal list but excluding the motion sensor weight



### Aluminium ExD

Saltwater resistant aluminium, covered with polyurethane paint material Ex D enclosure option for the motion sensor for installations in Hazardous Areas. The Motion sensor is mounted by certified personnel and connected to the terminals.

Class: Ex II2G Ex d IIb T6 Gb Cert: INERIS 02ATEX0071X

The enclosure size is: L535 x W468 x H257 mm and has an IP65 rating for water and dust. The enclosure has a weight of 43kg including the mounting bracket and terminal list and the motion sensor. The Motion sensor is mounted by ATEX certified engineers.

