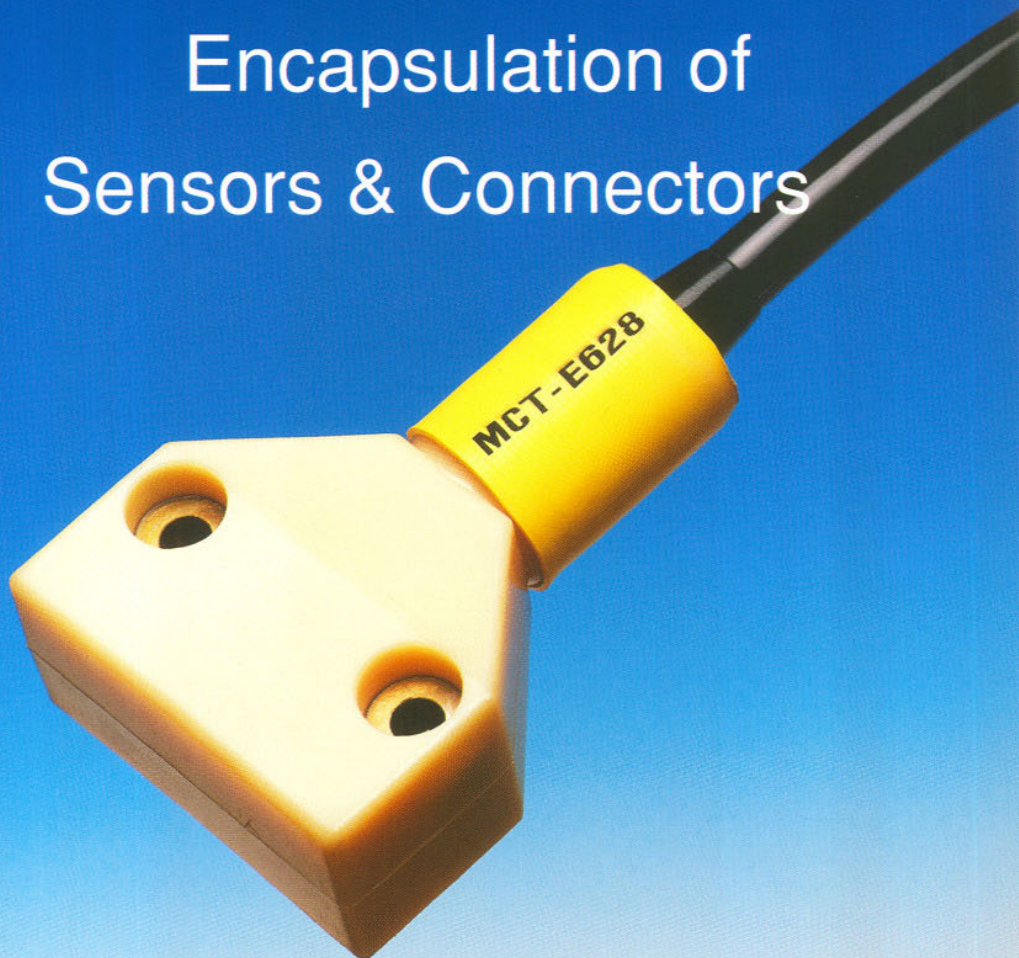


# Encapsulation of Sensors & Connectors



*Position indicator*

- **Customer designed**
- **100% tested and inspected  
in acc. to specifications**

• **MANUFACTURE • SALES • PRODUCT INFORMATION**  
MCT BRATTBERG AB, SE-371 92 KARLSKRONA, SWEDEN  
Tel: +46-455-45160 Fax: +46-455-451 28 [www.mctbrattberg.se](http://www.mctbrattberg.se)

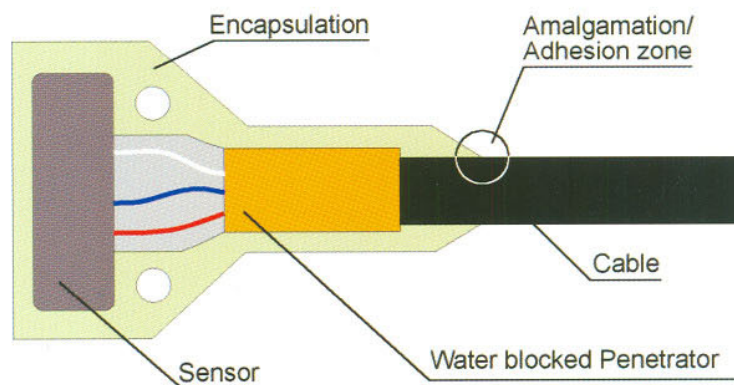


# Encapsulation of Sensors & Connectors

The encapsulation of inductive sensors and connectors are used to ensure a watertight seal.

Application dimensions and types of sensors and connectors are decided by the customer.

The sensors and connectors are currently used in different types of submarines.



## Technical Data

|                              |  |
|------------------------------|--|
| <i>Hydrostatic pressure:</i> | Test pressure: 5 MPa (50 bar) or acc. to the specification                   |
| <i>Shock:</i>                | Mechanical: 2000 g acc. to IEC 68-2-27 (1987)<br>Hydrostatic: 213 bar / 6 ms |
| <i>Temp. range:</i>          | Min. -40°C, Max. +70°C   |
| <i>EMP:</i>                  | Peak 1 kA, raise and fall time 30 ns   |
| <i>Longitudinal seal:</i>    | Min. 10 cc/s air with 1 bar diff. pressure                                   |

## Testing and inspection

- Dimension inspection and general investigation
- Inspection and test of cable termination and conductor connections.
- Radiographic examination of moulding
- Leak detection test
- Hydrostatic pressure test
- High voltage test
- Insulation resistance test
- Conductor continuity and function test
- Result verification and inspection report/certificate

LB 207