

## SmartButton Capsule

### DESCRIPTION

The SmartButton Capsule is a mechanical enclosure to protect SmartButton Temperature Loggers from moisture, solvents and pressure. The device consists of a base with a cavity for the SmartButton, a screw-in plug with O-ring to seal the enclosure, and a top with two stainless-steel screws to mount the SmartButton Capsule to a cable, e.g., to measure temperature at different levels within a liquid. The cable is inserted into the notch of the plug where it is held in place by the matching protrusion of the top piece.

Base, plug, and top are made of polyphenylene sulfide (PPS). This material is chosen for its mechanical properties (remains stable during both long and short-term exposure to high temperatures), inherent flame resistance, and outstanding chemical resistance (inert to steam, strong bases, fuels and acids). Although PPS is virtually insoluble below 200°C, it can be attacked by chlorinated hydrocarbons. The silicone O-ring matches the temperature and chemical qualities of the PPS. In addition, it is resistant to sunlight, ozone, oxygen, and UV light. The chemical stability of the screws does not compromise that of the PPS and the silicone.

### APPLICATIONS

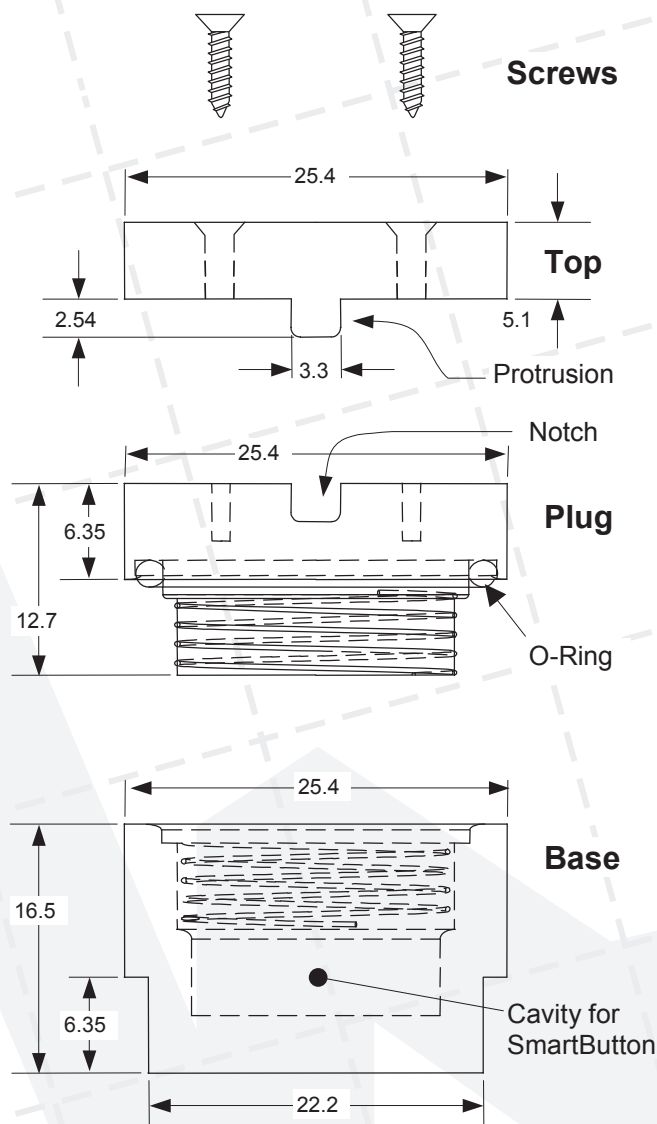
- Seawater temperature profiling
- Monitoring of beverage production
- Scientific research

ACR SmartButton Temperature Logger sold separately

### ORDERING INFORMATION

<b>Item:</b>	<b>Cat#:</b>
SmartButton Capsule	45-0013
SmartButton (Single)	01-0180
SmartButton Starter Pack (USB)	01-0182

### TECHNICAL DRAWING



All dimensions are in millimeters.

