Conductivity measurement is accomplished by using an advanced platinum seven-ring quartz cell. The advantage of this design is that there are no platinum black surfaces which can be contaminated or can deteriorate during profiling or monitoring; it is easy to be cleaned in the field.

**Technical specifications:**

- **Cell dimensions:** inner diameter 8 mm, length 45 mm.
- **Cell type:** seven platinum rings deposited inside a quartz tube.
- **Range:** 0 .. 130 mS.
- **Response time:** 60 ms *
- **Operating pressure:** 600 bar.
- **Maximum pressure:** 700 bar.
- **Output connections:** 6 x 0.4 mm insulated copper wires (two rings use the same wire).
- **Mounting:** through 12 mm hole with two 0-ring seals (Parker 2-12).
- **Weight:** 65 gr.
- **Body:** black plastic and titanium body.
- **Filling for pressure compensation:** silicone oil

* at 1 m/second flow

**Diagram:**

- Rubber pressure compensator (filled with silicone oil)
- Titanium body
- PPS body
- Quartz tube
- PA6 closure screw (M4)

**NOTE:** Dimensions are in millimeters.