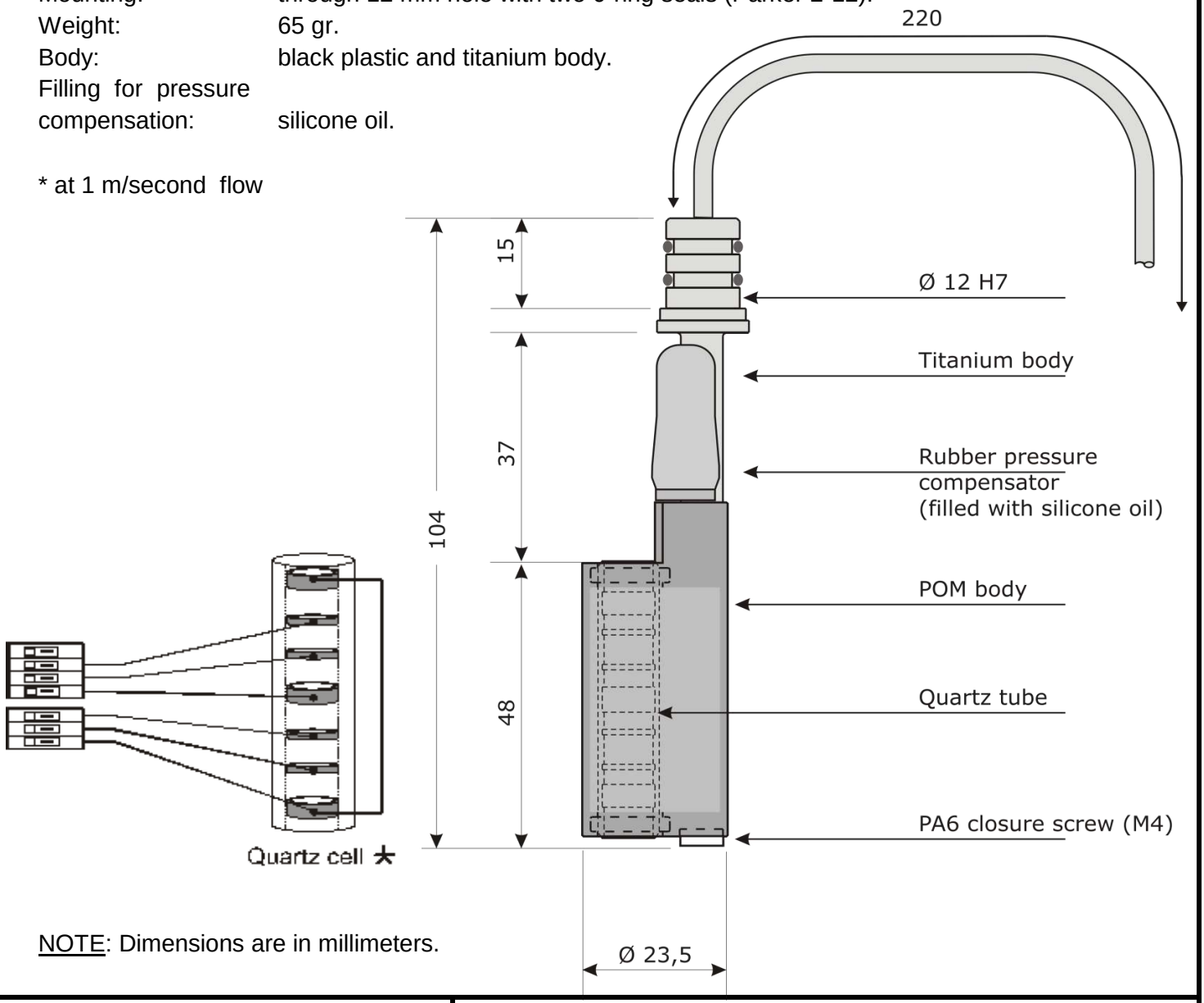
Conductivity measurement is accomplished by using a unique platinum seven- ring quartz cell. The advantage of this design is that there are no platinum black surfaces which can be contaminated or can deteriorate during profiling or monitoring. The sensor can be easily cleaned in the field.

Technical specifications:

Cell dimensions:	inner diameter 8 mm, length 45 mm.
Cell type:	seven platinum rings fused inside a quartz tube.
Range:	0 .. 350 mS/cm.
Response time:	50 ms *
Operating pressure:	700 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



NOTE: Dimensions are in millimeters.

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FLOW CONDUCTIVITY SENSOR (700 bar)

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