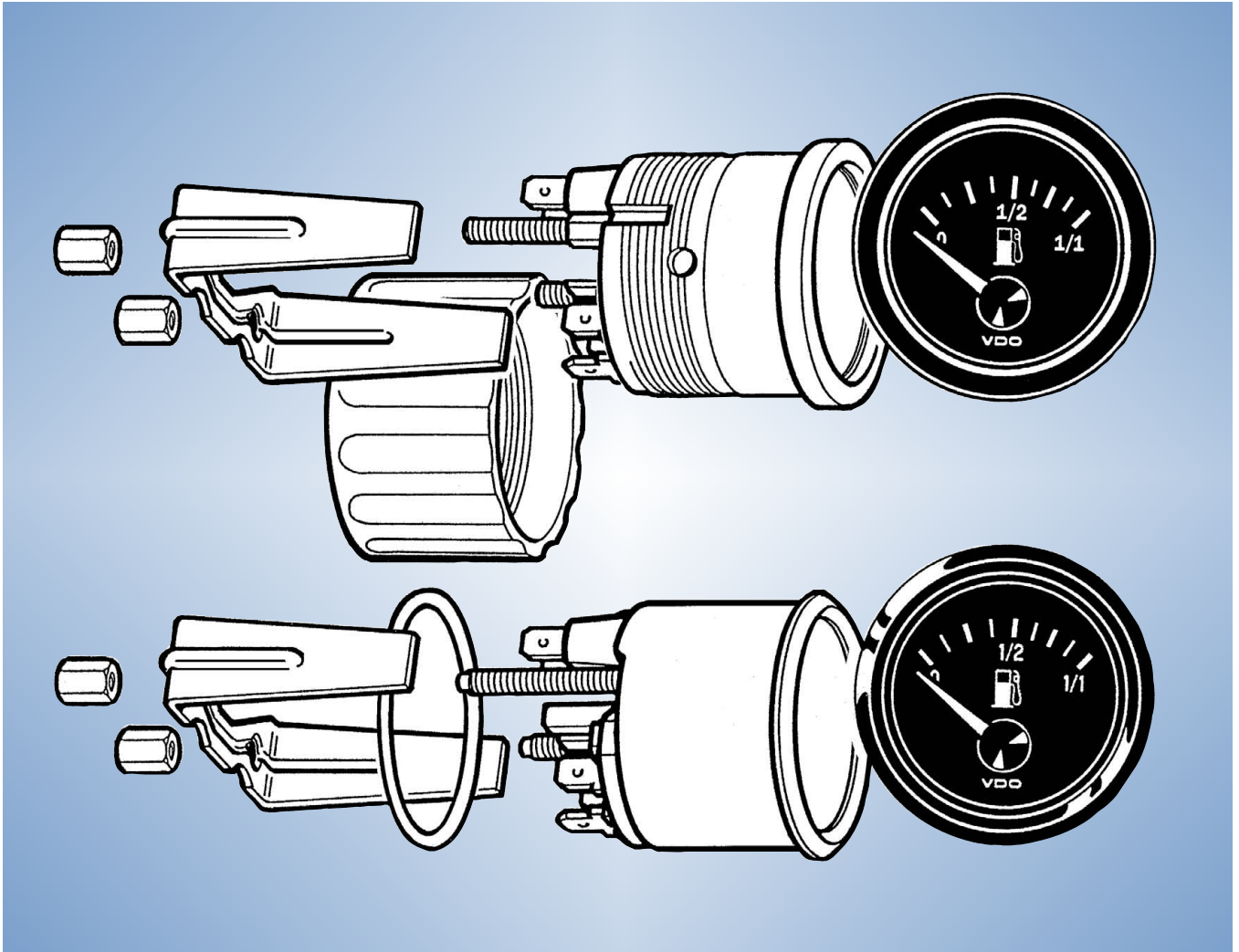


VDO cockpit vision / international

Instruments



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Technical Product Manual

6. Electric Pressure Gauge (dia. 52 mm)

6.5 Testing Instructions

Test of the movement

Connect the instrument as shown in the test circuit diagram, using test cable 3.

The indication can be tested with the resistor decade 'sensor simulator'.

The pointer moves to full scale deflection if the resistor decade is not connected.

The following tables shows the resistance values and the indication in angular degrees.

0 to 2 bar

Indication (bar)	0	1	2
Resistance (Ω)	10	99	184
Deflection ($^\circ\angle$)	0	41.4	87.4

0 to 5 bar

Indication (bar)	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
Resistance (Ω)	10	30	48	65	82	99	116	134	151	168	184
Deflection ($^\circ\angle$)	0	6.4	13.4	21.3	30.6	41.4	53	64.6	74.2	81.6	87.4

0 to 10 bar

Indication (bar)	0	1	2	3	4	5	6	7	8	9	10
Resistance (Ω)	10	31	52	71	88	106	124	140	155	170	184
Deflection ($^\circ\angle$)	0	6.8	15.2	24.4	34.3	46.2	58.3	68.2	76.1	82.4	87.4

0 to 25 bar

Indication (bar)	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25
Resistance (Ω)	10	32	53	73	92	109.1	125	143	155	169	184
Deflection ($^\circ\angle$)	0	7.1	15.6	25.5	36.8	42.7	58.9	69.9	76.1	82	87.4