

7. Electric Temperature Gauge (dia. 52 mm)

Contents	Page
7.1 General informations	7 - 2
7.2 Technical data	7 - 4
7.3 Temperature sensors	7 - 6
7.4 Wiring diagrams	7 - 10
7.5 Testing instructions	7 - 11
7.6 Instruments survey	7 - 13

Installation instructions

999-161-010:	VDO cockpit vision	(for oil)
999-161-002:	VDO cockpit international	(for oil)
999-161-019:	VDO cockpit vision	(for engine coolant)
999-161-017:	VDO cockpit international	(for engine coolant)

See file 'Installation Instructions (MA)'.

7. Electric Temperature Gauge (dia. 52 mm)

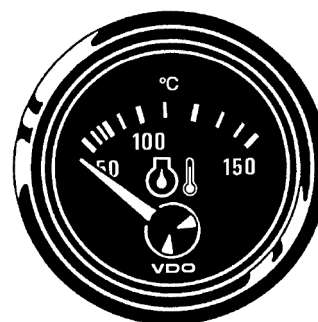
7.2 Technical Datae

Operating voltage:	11 ... 16 V or 21.5 ... 30 V
Movement:	System Ke (90°)
Current consumption:	131mA (without illumination) 106mA = 60°C ... 200°C (without illumination)
Operating temp.:	- 30°C ... + 85°C
Storage temperature:	- 40°C ... + 90°C
Illumination:	1 light bulb 14 V, 3.4 W or 24 V, 3 W
Protection:	IP64 DIN 40050 from the front reverse-polarity protection
Vibration resistance:	max. 1g eff., 25 ... 2000 Hz, duration 8h, f. 1 octave/min.
Nominal position:	NL 0 to NL 90, DIN16 257

VDO cockpit international

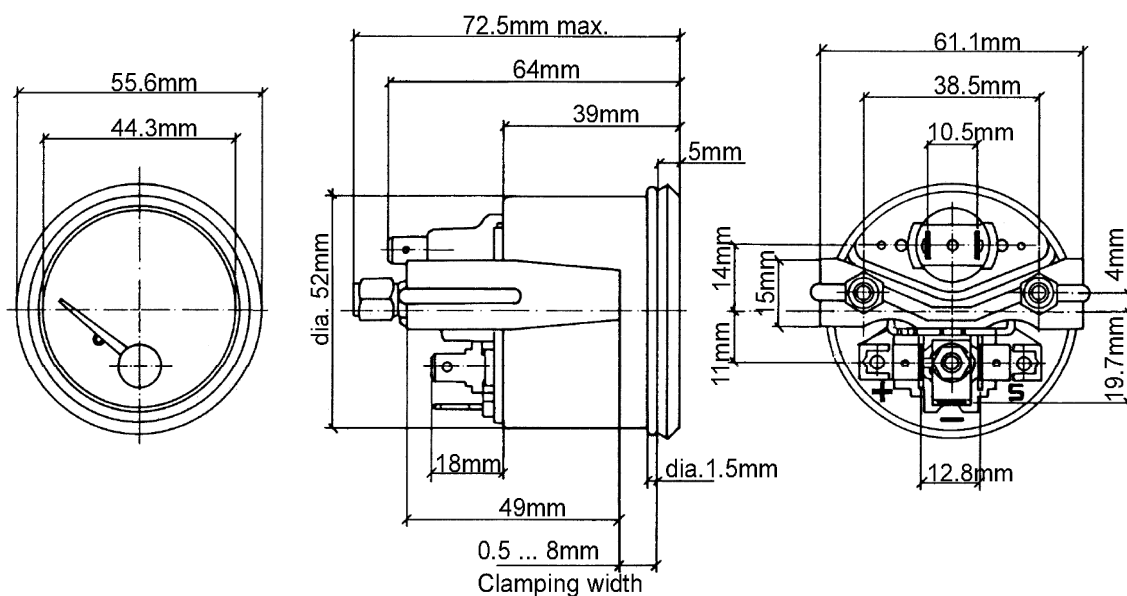
dia. 52 mm Floodlight

Example:
electric oil temperature gauge



Sensor:
temperature sensor (thermistor),
not included.

Mounting hole: dia. 53mm



Pin assignment:

Pin +: + 12 V or + 24 V,
terminal 15

Pin -: ground, terminal 31

Pin S: Sensor