



FlexGen-S SENSOR

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ADVANTAGES

- Hand-held device with simple, functional operation to display oil level sensor data
- Quick and direct display of filling level, temperature and status of the connected sensor
- Analog measured value output 0...5V for filling level and temperature
- Additional hardware interfaces: CAN, LIN, SENT, PWM available for individual applications as an extension

FIELDS OF APPLICATION

- Oil level checks of engine blocks on the test bench
- Testing of oil level sensors prior to installation
- Preparation of units
- General functional testing of oil level sensors
- Control of pumps or status detectors in the case of low filling level in combination with sensors

The FlexGen-S sensor is a compact, battery-powered hand-held device which makes it possible to directly read oil level sensors installed in engines without requiring any additional hardware or voltage supply. The display of the small-size device shows filling level, temperature, and sensor status. The voltage supply of the connected sensor is directly provided by the device. Another feature is the analog measured value output of 0...5V for level and temperature. As a result, external pumps or signal systems can be controlled, e.g. depending on the measured values. Currently, on the software side, Hella oil level sensors are supported using the protocols PULS 1, PULS 2, and PULS VAG.

For future updates or other applications, the flexible tool platform also has internal standard interfaces such as CAN, LIN, SENT, and PWM.

FlexGen-S SENSOR

PROPERTIES

- LC display 3 lines x 16 characters to display values
- 2 x analog control outputs 0... 5V depending on measured values
- Automatic shutdown of the device
- Sensor voltage supply 5VDC and 12VDC
- Plug-in power supply to charge internal and exchangeable standard batteries 2 x AA

PROPERTIES

- FlexGen-S sensor (device)
- 2 x NiMH (AA) battery
- Protective holster
- Plug-in power supply 230 VAC
- An individual connecting cable for the sensor is available as an accessory

HARDWARE

Electrical characteristics

Voltage lift analog outputs	2 x 0-5 VDC, 12-bit resolution
Nominal current analog outputs	10 mA
Output voltage sensor supply	+5 VDC and +12 VDC
Nominal current at 12V (5V)	50 mA (100 mA)
Internal resolution analog input	12 bits

Physical characteristics

Permissible accumulators	2 x NiMH (AA)
Weight incl. battery and holster	315 g
IP safety class	IP 5K3
Dimensions	140 x 82 x 26 mm

Ambient conditions

Operation temperature	0°C to +50°C
Storage temperature	-20°C to +70°C

ORDER INFORMATION PRODUCT

Produkt	Beschreibung	Bestellnummer
FlexGen-S SENSOR	Firmware for Hella PULS I and PULS II oil level sensors	70007544

ORDER INFORMATION ACCESSORIES

Produkt	Beschreibung	Bestellnummer
Adapter cable set	Production on customer demand	On demand
HW interfaces	Customer-specific programming	On demand
Adapter cable set	Adapter cable for Hella PULS I and II sensors	70008216
Adapter cable set	Connector cable for Hella PULS VAG sensors	70008231