# STAR COOPERATION®

Your Partners in Excellence



# FlexGen-S SENSOR

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## BENEFITS

- Autonomously flexibly usable handheld device
- Easy functional use
- Sensor read-out, supply and control
- Display of sensor signal as analog measuring signal
- Hardware interfaces: CAN, LIN, SENT, PWM, analog

## FIELDS OF APPLICATION

- Test bench controls of liquid level sensors
- Quality test of sensors prior to mounting
- Aggregate preparation
- Plausibility tests of a sensor value
- Targeted sensor value alteration subsequently to error verification
- Validation of HV batteries and 18 V batteries via connection to BMS

The FlexGen-S SENSOR is constructed flexibly in order to solve varying sensor/actuator technology tasks. Usually, sensors need a control unit for visualizing, processing and supplying. After customer-specific programming, you can quickly test the battery status e.g. for a dismounted HB battery including control unit and read the cell voltage via CAN with the FlexGen-S SENSOR.

In its standard configuration, the FlexGen-S SENSOR can be used for example in a motor test bench. There, it enables you to quickly and comfortable check the oil level sensor function and to justify or visualize the measured values without further periphery.

# FlexGen-S PWM

## FACTS & FIGURES

The user controls the battery-operated handheld via a membrane keypad. After startup, three sensor sizes can be displayed. Here, the device can supply the sensor with a supply voltage of 5VDC or 12 VDC.

- Output of 2 sensor values as analog measuring signal
- Control output: 2x analog
- LC display: 3 lines x 16 characters
- Hardware interfaces: CAN, LIN, SENT, PWM (SW optional)
- Automatic shut-down to save energy

## SCOPE OF DELIVERY
- FlexGen-S SENSOR (device)
- Accumulators
- Holster
- Sensor connector cable
- 230V switching power supply

## SERVICES

We are happy to consult you on this products, its fields of application and optional customer-specific adjustment possibilities.

## HARDWARE

### Electrical characeristics

| | |
|---|---|
| Voltage lift analog outputs | 2x0-5VDC, 12 Bit resolution |
| Nominal current analog outputs | 10mA |
| Output voltage sensor supply | +5VDC and +12VDC |
| Nominal current at 12V (5V) | 50mA (100mA) |
| Internal resolution analog input | 12 Bit |

### Physical characteristics

| | |
|---|---|
| Permissible accumulators | 2 x NiMH (AA) |
| Weight incl. battery and holster | 315g |
| IP saftey class | IP 5K3 |
| Dimensions | 140x82x26 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 |