FlexGen-M SENT

BENEFITS
- Display, simulation and manipulation of sensor data
- Integrated error simulation
- Manifold configuration options for discretional sensors

MOBILE PLATFORM FOR SENT SIGNALS

The FlexGen-M SENT is a variably usable, mobile and self-sufficient platform that offers comprehensive options to gather, process and generate sensor data. By doing so, it is both possible to read out connected SENT sensors and to simulate virtual sensors.

Via an event button, different functions for manipulating signals can be realized. Thus, it is possible for example to purposefully test defined error cases or the threshold value behavior of connected control units.

The FlexGen-M SENT comes with a synchronization interface for cascading several devices. Therefore, the behavior of redundant sensors can also be simulated.

With the USB interface, there is the possibility to connect the simulator with a PC. Via a PC application included, all the parameters for configuring a SENT interface can be set up comfortably.

In addition to having the option to produce FlexGen-M SENT's software, use and display elements according to customer specifications, other interfaces like CAN, LIN or analog channels are also possible due to the device-inherent modular construction.

FlexGen-M SENT

FIELDS OF APPLICATION
- Error simulation/error analysis
- Test benches
- Simulation of real sensors for testing special marginal conditions
- Verification of control unit behavior
- Data analysis, measuring technology,
  data conversion to other bus systems

CHARACTERISTICS
- SENT interfaces according to SAE J2716 R ev. 01/2010
  and downward compatible
- Supply voltage 2–28 V (short–circuit and reverse current protected)
- 2 SENT interfaces (1x receiver, 1x transmitter)
- Set-up and display option within the device with various switches,
  rotary encoders and event buttons
- Display for displaying set-up parameters and current SENT values
- Robust device with the option of extending
  by additional modules
- Stand–alone operation without PC for mobile test
  bench applications
- Complete support of slow channel with Short Serial
  Message Format and Enhances Serial Message Format
- Simulation of Single Secure sensors with automatic generation
  of message counter and inverted data nibble
- Synchronized data manipulation of redundant
  sensors by cascading several devices

ORDER NUMBER
70007746

SCOPE OF DELIVERY
- FlexGen-M SENT (device)
- Connector cable (voltage supply, SENT interfaces, synchronization,
  USB)
- Configuration software including USB driver
- Manual

TECHNICAL DATA

	FlexGen-M SENT
Supply voltage	8 - 28V LEMO EXJ.1B.302.HLD
Operation temperature	-20°C to +60°C (extended tempera-ture range possible on demand)
Display	4x20 characters, LC display 3x LEDs (Rx, Tx, event button)
Handling	1x rotary switch 2x rotary encoder 1x event button
SENT receiver	LEMO EGG.1B.303.CLL
SENT transmitter	LEMO EGJ.1B.303.CLA
Synchronization	Sub-D 9 pol. plug (incl. CAN)
Dimensions	200 x 106 x 60 mm
USB	USB 2.0 Full-Speed (USB Device)