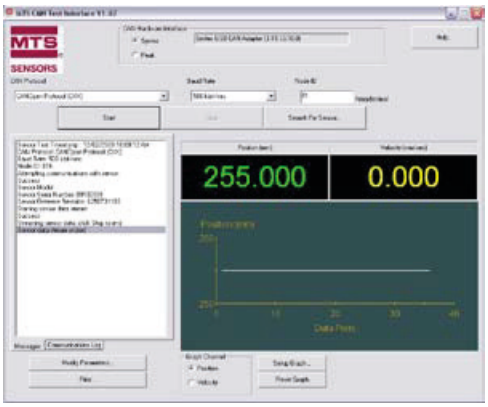
Temposonics
AN AMPHENOL COMPANY

MH-Series
Test Software CANopen/ CANopen Safety/SAE J1939

Magnetostrictive Linear Position Sensors

Document Part No.
551288 Revision A



Features:

- Easy connection to MTS' M12 integrated connector system
- Easy to use programm interface
- Supports CANopen, CANopen Safety and SAE J1939
- Convenient sensor search function
- Display for position and velocity
- Simple programming of Node-Id and baud rate
- Sensor data and test results printable
- Carrying case

Benefits:

- Isolates sensor from vehicle system to independently determine functionality of the sensor
- Designed for use in both factory and in-field applications

Applications

There exists a strong need in the off-highway market to quickly verify an embedded sensor application throughout the supply chain. Sensor manufacturer's have sophisticated equipment to test, program, calibrate and verify that each sensor meets specifications. Once the sensor leaves the factory, verification of functionality throughout the supply chain can become more difficult. In many situations, without direct knowledge of how to connect a volt meter,
current meter, or oscilloscope to the sensor verifying functionality can become a daunting task.

Functional verification is required because it is possible for the sensor to be exposed to potentially damaging situations during the hydraulic cylinder assembly process. As a result, many cylinder manufacturers prefer a way to verify functionality after the cylinder is assembled.

Additionally, equipment OEM's require the ability to verify sensor functionality and troubleshoot their equipment, both at the factory and in the field. MTS developed a test software to provide direct feedback from M-Series digital sensors.

Product Overview

The M-Series Test Software supports M-Series sensors with digital interfaces, CANopen, CANopen Safety and SAE J1939. The testkit is delivered with a separate power supply, which is able to provide power directly to the sensor thus isolating the sensor from the rest of the vehicle.

This is useful in situations where a vehicle harness could be mis-wired or there could be an error in the software that makes the sensor appear to be malfunctioning. By isolating the sensor the operator can quickly determine if the sensor is functioning or not. This eliminates time wasted on replacing a functioning sensor.

Whether in the factory or in the field the M-Series Test Software can be quickly attached to the sensor under test by using one of two cables.

Ordering information

Description	Part no.
MH Test Software	**625 129**
MH Testkit Hardware	**254 267**

Delivery includes:
- MH-Series CANopen, CANopen Safety, SAE J1939 test software installation CD
- USB CAN modul kit:
  - USB CAN module
  - USB CAN module utility CD (with drives and description)
  - USB connector cable
- Cable with MTS M12 connector system and RS232 connector
- Cable with core cable ends and RS232 connector
- Carrying case
- Installation manual as pdf download at http://www.mtssensor.de/login.html (click on Mobile Hydraulic in protected area)
- 12 VDC charger with adapter

Order information:

For complete package please order both part numbers.

Document Part Number: Number: 551288 Revision A (EN) (02/2013)

temposonics.com

UNITED STATES
Temposonics, LLC
Americas & APAC Region

3001 Sheldon Drive
Cary, N.C. 27513
Phone: +1 919 677-0100
E-mail: info.us@temposonics.com

GERMANY
Temposonics GmbH & Co. KG
EMEA Region & India

Auf dem Schüffel 9
58513 Lüdenscheid
Phone: +49 2351 9587-0
E-mail: info.de@temposonics.com