VeriMAG1

Data-Sheet

Introduction

VeriMAG1 is a stand-alone smart field testing instrument, which has the capability to test the integrity of an installed flowmeter, for functionality of the connection between the sensor and transmitter, and all important internal components of the device.

The verificator checks the MAGB1 flowmeter towards its original calibration certificate hence it can detect any irregularity of its measurement status and confirm its accuracy within spectrum of +-1%.

The operator is able to determine by, the certificate generated, any internal fault, inaccuracies or early signs of failure, which will help to reduce expensive maintenance jobs.

Transmitter test

The verification is carried out at the transmitter location. The test is not affected by liquid flow or cable length. The transmitter verification checks the whole electronic system from signal input to output.

- Performance check without interrupting the flowmeter installation
- Test of excitation current
- Test of AD converter performance
- Test of Pulse output
- Readout of Meter settings



Sensor test

- Flowmeter insulation test coils and electrodes
- Coils resistance measurement

Time saving

- Fully automated no manual setup or data input with predefined factory acceptance levels
- Results in less than 15 minutes
- Full verification report

The result of each test is displayed immediately on the display and also stored in the internal memory. These tests can be transferred to a computer for archiving or printing by connecting the device to the PC.



Technical specification:

Graphic display - 128x64 px Touch buttons - control and navigation Power - Battery Li-lon 3.6V 4400mAh

Cable to connect the sensor

Cable to connect the transmitter

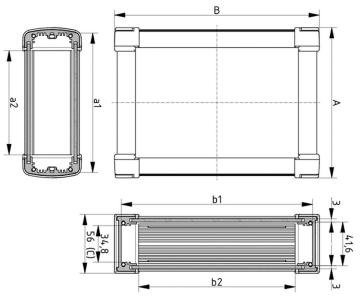
Charger

The verification results are stored in the device (up to 60 measurements)

Permissible operating temperature +5 to +40 °C

Permissible storage temperature -20 to +60 °C

Relative humidity ≤ 80%, moisture condensation not permissible



Α	143	mm
В	145	mm
C	56	mm
a1	132,8	mm
a2	99	mm
b1	132	mm
b2	99	mm

Key Features

- Determines if the meter is within 1% of the original factory calibration
- Verifies the functionality of all of the meter's inputs and outputs
- Measures electrode insulation
- Measures coil resistance and integrity
- Measures coil insulation resistance
- Measures current and frequency at previously selected flow rate
- Evaluates the signal processing functionality
- Provides certified printout showing test results
- VeriMAG1 is capable of storing 60 meter tests in internal storage
- Very easy to operate with a user-friendly Windows-based software package

Software

- The software is able to generate a printout of the test results and at the same time store the information in a the database for future reference
- Verificator software for data evaluation in the PC, is compatible with Windows 95, 98, NT4 and 2000, XP, WINDOWS 7, WINDOWS 8

