

SMI

Sensor Master Interface

Swiss based Trafag is a leading international supplier of high quality sensors and monitoring instruments for measurement of pressure and temperature. The Sensor Master Interface SMI is used to set parameters of electronic pressure switches such as switching points, output function and switching delay time as well as to adjust the measuring range of submersible pressure transmitters. By reading the device data, the connected pressure measurement device can be precisely identified and the parameters can be checked.



Applications

- Supports device types NAT 8252, NAH 8254, NAR 8258, ECL 8439

Features

- Read out of sensor data
- Parameterization of switching points on NAX pressure switches
- Measuring range adjustment on submersible pressure transmitter ECL
- Fast and easy operation via Android App "Sensor Master Communicator SMC"
- Reset pressure measurement instruments to factory settings

Technical Data			
Ambient temperature	0°C ... +40°C	Dimensions	LxWxH: 120x76x27 mm
Supply voltage	5 VDC, ± 0.25 , 1 A (Supply via USB interface)	Communication SMC/SMI	via Bluetooth LE
Protection	IP20	Operation Interface	via Android App "Sensor Master Communicator SMC"
Storage temperature	-10°C ... +50°C		

Ordering information

	Ordering no.	
SMI Packet containing:	F90170	
SMI		
USB Bluetooth Dongle (Trafag)	F90172	(Spare part)
Device connector SMI (5-pole, push-in)	F90171	(Spare part)
Cable USB 2.0 A male, Micro-B 1.0 m	F90173	(Spare part)
Accessories		
Cable PVC, M12x1 connector	F90174	
Device connector SMI with housing (5-pole)	F90175	
Case for SMI and accessories (325x248x50 mm)	H30782	



Reading out of device data

Pressure device connection

trafag sensors controls

Device type: Pressure switch

Last readout: 31.05.2018 10:25:32

Type code	8252.84.2517
Serial number	642774-002
Measuring range	0...400 bar · G
Output signal	Digital
Calibration date	10.08.2017
Modification date	31.05.2018

DISCONNECT READOUT

Parameterization of switching points on NAX pressure switches

Switching point settings

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Measuring range

Measuring range zero-point	0 bar
Measuring range end-point	400 bar

Switching output SP1

Output function: Hno

Switch point (SP) [bar]: 200

READOUT WRITE

Measuring range adjustment on submersible pressure transmitter ECL

Pressure range settings

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Analog output

Zero-point analog value O_EP	4 mA
End-point analog value O_nP	20 mA

Measuring range

Measuring range zero-point P_nP	0 mbar
Measuring range end-point P_EP minimal	100 mbar
Measuring range end-point P_EP max	300 mbar

READOUT WRITE

Additional information

Documents	Data sheet	www.trafag.com/H72618
	Instructions	www.trafag.com/H73618
	Flyer	www.trafag.com/H70602