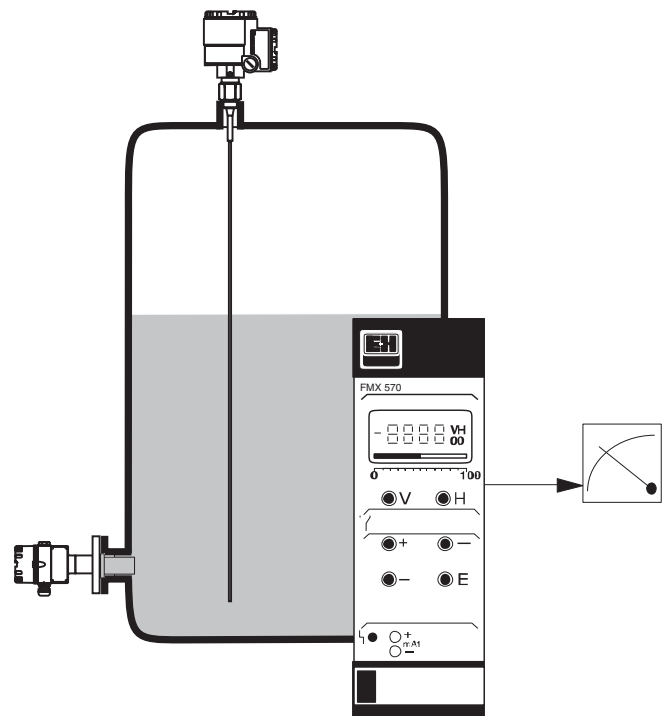
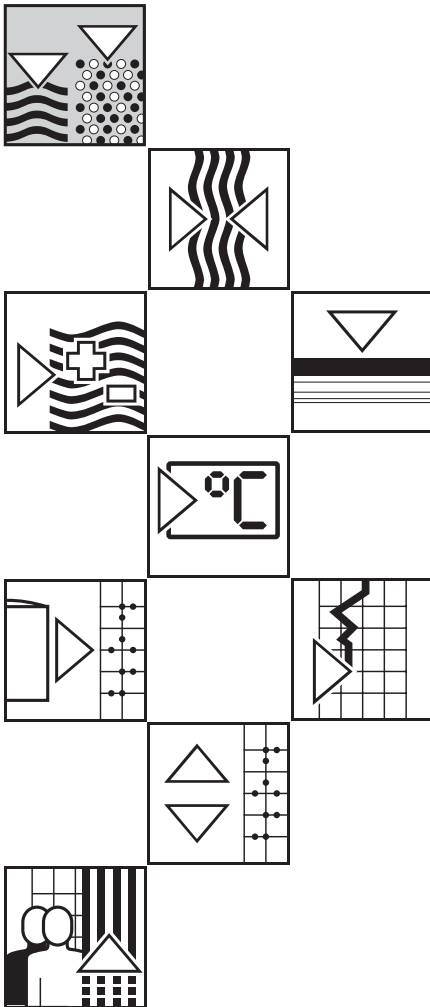
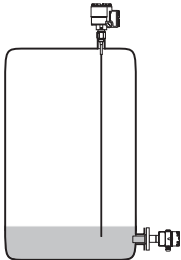
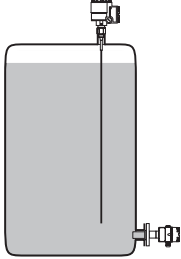
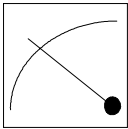


silometer FMX 570 Level Measurement

Operating Instructions

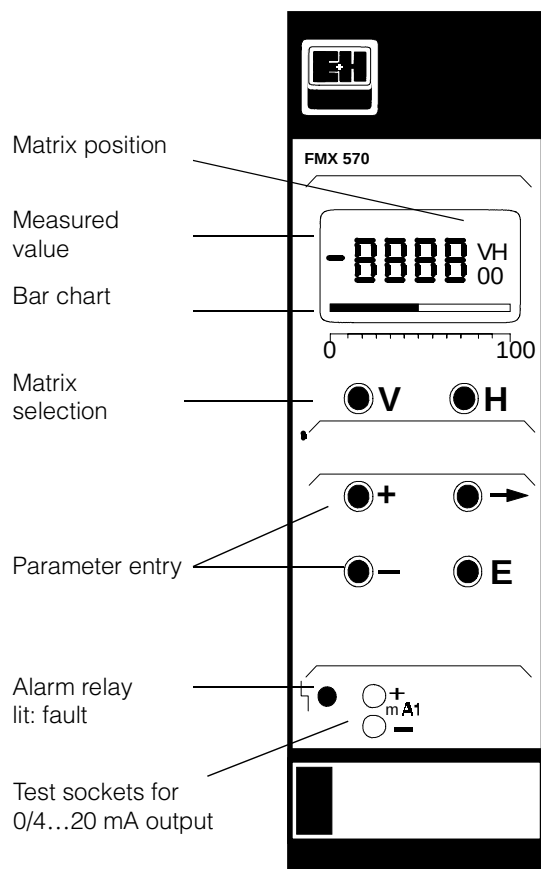


Level Measurement at a Glance

Function	Matrix	Action
1 Reset transmitter	V9H5	● Enter 671: »+« and »-« keys, ⇒ changes digit - Press »E« to register entry - Omit if commissioned as in Section 4.1
2 »Empty« calibration* 	V0H1	● Fill vessel 0...40% full (probe covered) - Enter level in %, m, ft, etc. - Press »E« to register entry
3 »Full« calibration* 	V0H2	● Fill vessel 60...100% full - Enter level in %, m, ft, etc. - Press »E« to register entry
4 0/4 mA signal 	V0H3 V0H5 V0H6	● Enter 0 for 0...20 mA signal, 1 for 4...20 mA signal - Press »E« to register entry ● Enter level for 0/4 mA signal (if not 0) - Press »E« to register entry ● Enter level for 20 mA signal (if not 100) - Press »E« to register entry

*Can be performed in reverse order

Silometer FMX 570



V

Selects vertical matrix position

H

Selects horizontal matrix position

V

+

H

Select position V0H0

→

Selects next digit

→

+

+

Move decimal point

+

Increases value of digit

-

Decreases value of digit

E

Registers entry

See also »Controls«, Chapter 3

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Notes on Safety

The Silometer FMX 570 is a level measurement transmitter which can be used with a variety of probes and sensors. It must be installed by qualified personnel according to the instructions in this manual.

The Silometer FMX 570 transmitter is available with certificate. The Table below indicates the combinations available and conditions for installation. Full details can be taken from the certificates. Please note that where quoted technical data differs from that listed in Section 2.5, that in the certificate applies.

Certificates

Certificate	Instruments	Notes
TÜV 00 ATEX 1640	Silometer FMC 671 Z/676 Z	CE  II (1) GD, [EEx ia] IIC/IIB, install outside Ex-area
PTB 98 ATEX 2215 X	DC 12 TE, DC .. TE .., DC .. E .., DC .. Capacitance probes 11500 Z(M), 11961 (Z), 21561 (Z) with electronic insert EC 16/17/27/37/47 Z, FEC 12, HTC 16/17/27 Z, HTC 10 E, HMC 37/47 Z	CE  II 1/2 G, II 2 G, EEx ia IIC/IIB T6
PTB 98 ATEX 2215 X	DC 12 TE, DC .. TE .., DC .. E .., DC .. Capacitance probes 11500 Z(M), 11961 Z, 21561 Z with electronic insert EC 17/37/47 Z, FEC 12	CE  II 1 G, EEx ia IIC/IIB T6
PTB 98 ATEX 2094	DB 50, DB 50 L, DB 51, DB 52, DB 53	CE  II 1/2 G, II 2 G, EEx ia IIC T4...T6
DIBt No. Z-65.11-29	Silometer FMX 570, DB 50...52 with electronic insert FEB 17 / FEB (17) P	Continuous level measurement for overspill protection in stationary vessels (for storage of non-combustible, water-polluting liquids)

Safety conventions

In order to highlight safety-relevant or alternate operation procedures in the manual the following conventions have been used, each indicated by a corresponding icon in the margin.



Note!

Note!

- A note highlights actions or procedures which, if not performed correctly, may indirectly affect operation or may lead to an instrument response which is not planned.



Caution!

Caution!

- Caution indicates actions or procedures which, if not performed correctly, may lead to personal injury or incorrect functioning of the instrument.



Warning!

Warning!

- A warning indicates actions or procedures which, if not performed correctly, will lead to personal injury, a safety hazard or destruction of the instrument.

1 Introduction

The front cover contains short instructions for continuous level measurement with the default parameters.

Quick Operating Guides

Users unfamiliar with the Silometer FMX 570 must read the operating instructions, which are structured as follows:

In this manual

- Chapter 1: Introduction;
contains general information including application, measurement principle and functional description.
- Chapter 2: Installation;
contains hardware configuration, installation instructions, connection diagrams and technical data for the plug-in card.
- Chapter 3: Controls;
describes the front panel keys and operating matrix.
- Chapter 4: Calibration and Operation;
tells you how to commission the Silometer for level measurement.
- Chapter 5: Linearization;
tells you how to calibrate the Silometer to measure volume in a horizontal cylindrical tank or a tank with a conical outlet.
- Chapter 6: Analogue Outputs;
describes in detail the setting of the 0/4...20 mA signal line.
- Chapter 7: Trouble-Shooting;
contains a description of the self-checking system with error messages, the simulation feature as well as instructions for configuration on replacement of the transmitter, probe or electronic insert.
- Chapter 8: Short Operating Guide
contains a flowcharts for level and volume measurements
- Chapter 9: Index;
lists key words to help you find information quickly.
- Chapter 10: Operating Matrix
contains the operating matrix, the default parameters and a table to enter your operating parameters,

Installation of the probes, electronic inserts and accessories are described in the documentation accompanying these articles - see text for references. When installing probes in explosion hazardous areas the instructions included in the accompanying probe certification must also be observed.

Further documentation

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/508044117045006076>