



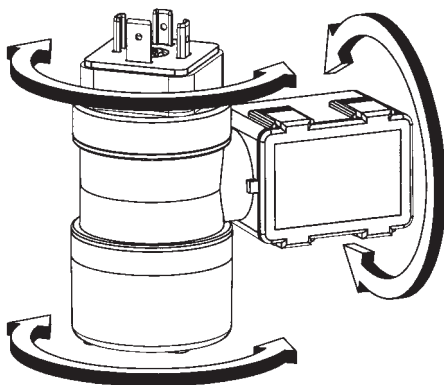
EDITION 07/2004

LCD Module Type 801

Technical overview

The series 801 display modules can be fitted on all DIN 43650 connectors.

Input signals can be signal currents or voltages from the associated transducers or measuring systems.



The distinct advantages

- Portable plug-in indicator
- Irrespective of the installation arrangement of your transducer the display module can be rotated and turned to give the ideal reading-position
- Protection class IP 65 with screw-fastened DIN 43650 connectors

Display

Liquid crystal, 3 digit
Character height 9.4 mm

Indication capabilities

Lowest value:	to	Highest value:
-1.00	to	9.00
.000	to	.900
0.00	to	9.00
00.0	to	90.0
000	to	900

All intermediate values steplessly adjustable.

Calibration

Factory calibration (indicate on order) or calibration by the customer using two 10-turn potentiometers (zero point and end value) and DIP switches to position the decimal point.

Accuracy

≤ +/- 2 digit typically
at ambient temperature 23 °C.

Long term stability/year

≤ +/- 2 digit typically

Temperature influences

TC zero point:
≤ +/- 0.2 digit/K typically
TC sensitivity:
≤ +/- 0.2 digit/K typically
Ambient temperature: 0 ... +60 °C
Storage temperature: -20 ... +75 °C

Response time

< 0.5 sec.

Weight

95 grams

Installation arrangement

Unrestricted.

Case construction

Polyamid

Signal

Power supply

0 – 5 V	11 – 33 VDC 24 VAC +/- 15 % 3-wire cable
0 – 10 V	18 – 33 VDC 24 VAC +/- 15 % 3-wire cable
0 – 20 mA	18 – 33 VDC 24 VAC +/- 15 % 3-wire cable
4 – 20 mA	8 – 33 VDC 2-wire cable

Short circuit-proof and protected against polarity reversal. Each connection against other with max. +/- supply voltage.

Electromagnetic compatibility:
CE conformity to EC directive 89/336 (EMC) by application of harmonized standards EN 61000-6-2 and EN 61000-6-3.

Internal resistance

0 – 5 V	> 100 kOhm
0 – 10 V	> 100 kOhm
0 – 20 mA	< 50 Ohm

Current consumption

At 0 – 5 V / 0 – 10 V / 0 – 20 mA
< 4 mA

4 – 20 mA voltage drop 8 V

Electrical connections

Connector DIN 43650

Protection standard

IP 65 with seals and fastened connectors. To maintain the protection standard, avoid constantly twisting the individual modules.

