

Installation Instructions

Replacing terminals, print and battery carrier, connection board, power supply module

Promag 800 Index C



Replacement of terminals, board and battery carrier, connection board, power unit board

Promag 800 Index C

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1 Overview of spare part set

The Installation Instructions apply to the following spare parts:

Order number	Original spare part set	Contents
71484378	Power supply set, 100-240VAC/19-30VDC	1 × power unit Promag 800(C)
71484379	Connection board set, external power supply	1 × connection board Promag 800(C)
71484380	Connection board set, I/O modules, 800(C)	1 × connection board Promag 800(C)
71484384	Board and battery carrier set Promag 800(C)	1 × carrier with hinge 1 × cover for power outlet 1 × cover for board carrier, electronics module 1 × board carrier, electronics module
71484386	Terminal set, power unit power supply	1 × 3-pin plug-in terminal 1 × 4-pin plug-in terminal 1 × 4-pin plug-in terminal
71484387	Terminal set, external power supply	1 × 4-pin plug-in terminal 1 × 4-pin plug-in terminal



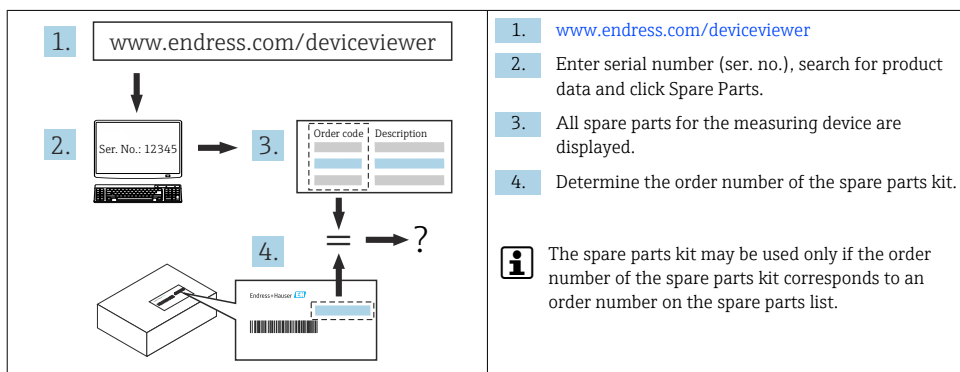
- The order number of the spare part set (on the product label on the package) can differ from the production number (on the label directly on the spare part)!
- You can find the order number of the relevant spare part set by entering the production number of the spare part in the spare part search tool.
- We recommend that you keep the Installation Instructions and packaging together at all times.

2 Designated use

The spare part sets and Installation Instructions are used to replace a faulty unit with a functioning unit of the same type. Only original parts from Endress+Hauser may be used. Only spare parts kits designed by Endress+Hauser for the measuring device can be used at any time.

Inspection is performed using the W@M Device Viewer. The procedure involved is described as follows.

i A spare parts overview is located in the interior of some measuring devices. If the spare parts kit is specified on this list, no inspection is required.



3 Personnel authorized to carry out repairs

Authorization to carry out repairs depends on the measuring device's approval type. The table below shows the authorized group of people in each case.

i Whoever carries out the repairs has full responsibility to ensure that work is carried out safely and to the required quality standard. He/she must also guarantee the safety of the device following repair.

Measuring device approval	Personnel authorized to perform repairs ¹⁾
Without approval	1, 2, 3
With approval (e.g. IECEx)	1, 2, 3
For custody transfer	4

- 1) 1 = Qualified specialist on customer side, 2 = Service technician authorized by Endress+Hauser, 3 = Endress+Hauser (return measuring device to manufacturer)
4 = Check with local approval center if installation/alteration must be performed under supervision.

4 Safety instructions

- Check whether the spare part matches the labeling on the measuring device as described on the cover page.
- The spare part sets and Installation Instructions are used to replace a faulty unit with a functioning unit of the same type.
Only use original parts from Endress+Hauser.
- Comply with national regulations governing mounting, electrical installation, commissioning, maintenance and repair procedures.
- The following requirements must be met with regard to specialized technical staff for the mounting, electrical installation, commissioning, maintenance and repair of the measuring devices:
 - Specialized technical staff must be trained in instrument safety.
 - They must be familiar with the individual operating conditions of the devices.
 - In the case of Ex-certified measuring devices, they must also be trained in explosion protection.
- The measuring device is energized! Risk of fatal injury from electric shock. Open the measuring device only when the device is de-energized.
- For measuring devices intended for use in hazardous locations, please observe the guidelines in the Ex documentation (XA).
- In the case of measuring devices in safety-related applications in accordance with IEC 61508 or IEC 61511: Commission in accordance with Operating Instructions after repair. Document the repair procedure.
- Before removing the device: set the process to a safe state and purge the pipe of dangerous process substances.
- Hot surfaces! Risk of injury! Before commencing work: allow the system and measuring device to cool down to a touchable temperature.
- In the case of devices in custody transfer, the custody transfer status no longer applies once the seal has been removed.
- The Operating Instructions for the device must be followed.
- Risk of damaging the electronic components! Ensure you have a working environment protected from electrostatic discharge.
- After removing the electronics compartment cover: risk of electrical shock due to missing touch protection!
Turn the measuring device off before removing internal covers.
- Modifications to the measuring device are not permitted.
- Only open the housing for a brief period. Avoid the penetration of foreign bodies, moisture or contaminants.
- Replace defective seals only with original seals from Endress+Hauser.
- If threads are damaged or defective, the measuring device must be repaired.
- Threads (e.g. of the electronics compartment cover and connection compartment cover) must be lubricated if an abrasion-proof dry lubricant is not available. Use acid-free, non-hardening lubricant.





- If spacing is reduced or the dielectric strength of the measuring device cannot be guaranteed during repair work, perform a test on completion of the work (e.g. high-voltage test in accordance with the manufacturer's instructions).
- Service plug:
 - Do not connect in explosive atmospheres.
 - Only connect to Endress+Hauser service devices.
- Observe the instructions for transporting and returning the device outlined in the Operating Instructions.





If you have any questions, please contact your [Endress+Hauser service organization](#).

5 Symbols used

5.1 Symbols for certain types of information

Symbol	Meaning
	Permitted Procedures, processes or actions that are permitted.
	Forbidden Procedures, processes or actions that are forbidden.
	Tip Indicates additional information.
	Series of steps

6 Tools list

 Slotted head screwdriver 0,5 × 3,5 mm	 Torx screwdriver T10, T20
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7 Promag 800 compact version, remote version

7.1 Preparatory steps



The login information is reset to the default factory setting following the replacement.

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