Electrical Uninstallation of BMT 965 C / 965 OG

Signal and Mains Disconnecting
Rev. 1.1 - 22. Apr. 2024

This Service Note explains the preparation of the signal and mains connection of a BMT 965 C and MT 965 OG with cable glands, to allow its removal from the measurement site. The goal of this preparation is the protection of the cable glands from any damage and to ensure a reliable operation after recommissioning of the analyser.

If your BMT 965 C or BMT 965 OG has cable glands, it should be avoided to push the cables back through the cable gland. Otherwise, the spring (see Figure 1, A) inside of the cable gland could take damage and its proper shielding function would be compromised.

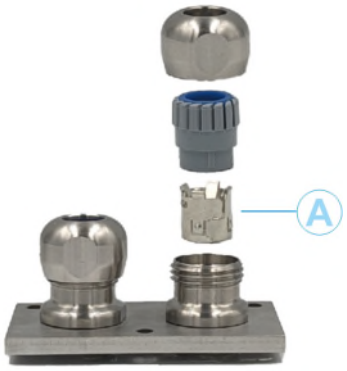


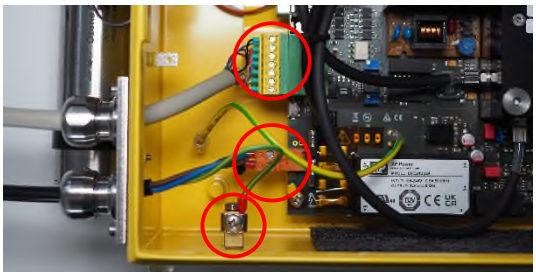
Figure 1: cable gland

Safety Instructions

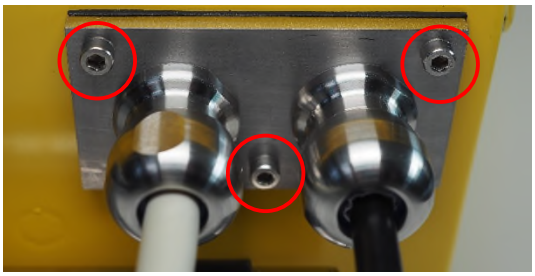
- Disconnect the analyser from mains power and remove any ozone or overpressure from the hoses
- Attach your anti-static wrist strap to ground, only – if this is not possible: at least eliminate any electrostatic charge by touching a grounded surface before opening the analyser
- The cables shall only be connected or disconnected by a person acquainted with the safety requirements

965 C Electrical Uninstallation

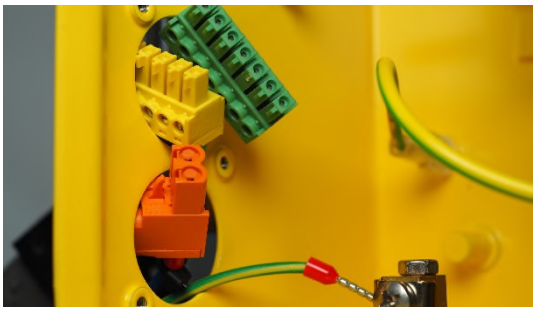
1. Loosen the yellow-green wire from the protective grounding terminal and the PCB connectors from the sockets on the circuit board



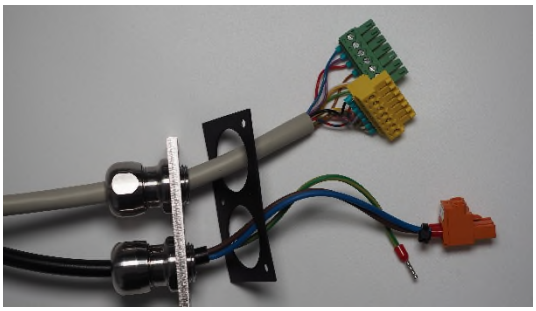
2. Loosen the three M3x10 screws (hexagon socket head cap screws, stainless steel) of the plate of the cable glands with an allen wrench



3. Take off the plate and gently push the cables through the holes of the BMT 965 C enclosure



4. The cable glands and PCB connectors stay in place and the analyser can be removed from the measurement site, for example to send it in for service



For installation instructions please consult Chapter 3 and Appendix C in the Manual.

Attention: Thorough installation of the cable gland is essential to maintain electrical safety, IP coat and EMC integrity. Ensure that the screws provide an electrically conductive connection between the plate and the enclosure and that the seal is correctly seated. In the event of lost or damaged screws, only use M3x10 stainless steel. If the spring in the cable gland is damaged, please order a replacement using part number 13676.

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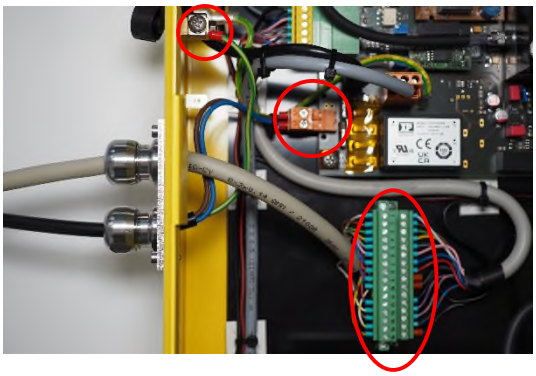
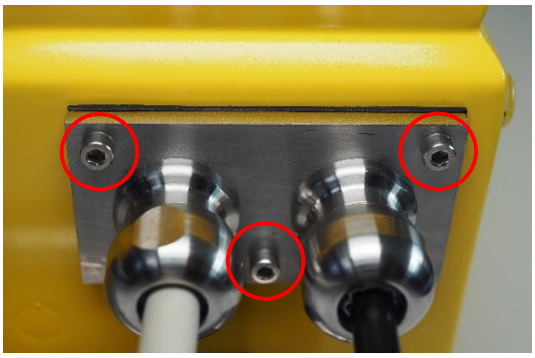
965 OG Electrical Uninstallation

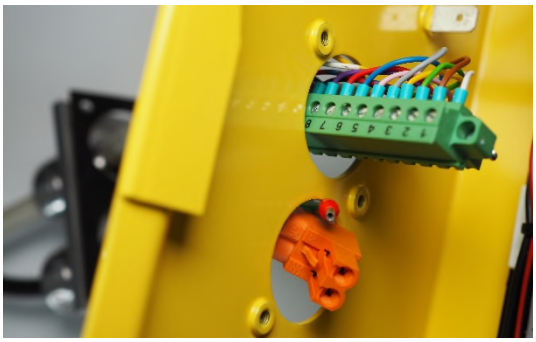
1. Loosen the yellow-green wire from the protective grounding terminal and the PCB connectors from the sockets on the circuit board



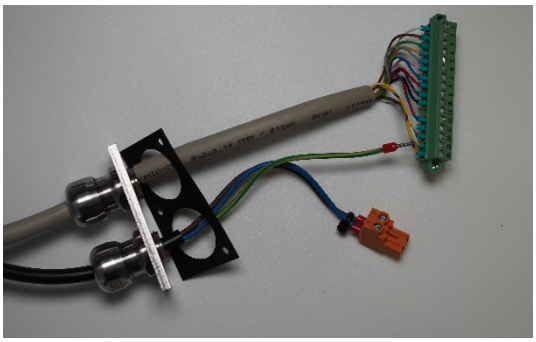
2. Loosen the three M3x10 screws (hexagon socket head cap screws, stainless steel) of the plate of the cable glands with an allen wrench



3. Take off the plate and gently push the cables through the holes of the BMT 965 OG housing



4. The cable glands and PCB connectors stay in place and the analyser can be removed from the measurement site, for example to send it in for service



For installation instructions please consult Chapter 3 and Appendix D in the Manual.

Attention: Thorough installation of the cable gland is essential to maintain electrical safety, IP coat and EMC integrity. Ensure that the screws provide an electrically conductive connection between the plate and the enclosure and that the seal is correctly seated. In the event of lost or damaged screws, only use M3x10 stainless steel. If the spring in the cable gland is damaged, please order a replacement using part number 13676.

If any problems occur, do not hesitate to contact us:

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Your BMT Service Team

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