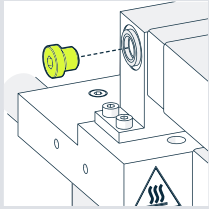


OPT100 DGA Monitor

Bleed plug

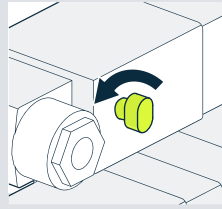
Remove and replace as instructed by the user interface.

Use a 5-mm Allen key.

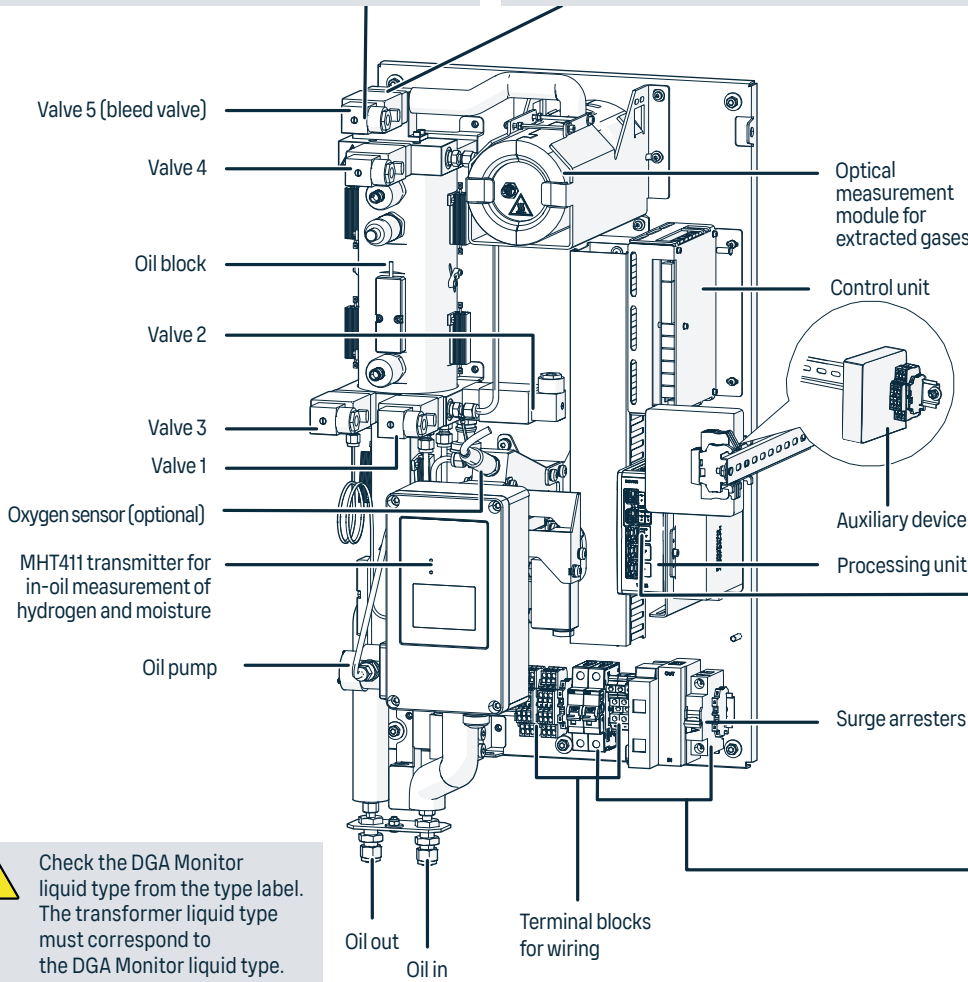
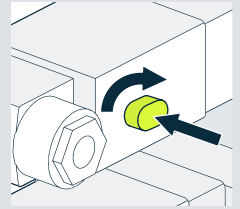


Bleed valve lock

Open for use: rotate counterclockwise 90°.



Close for transport: push in and rotate clockwise 90°.



Follow product documentation when installing or working with the DGA monitor.

Keep cabinet door closed and locked when DGA monitor is measuring.



In case of an oil leak:
1. Turn off mains power.
2. Close transformer oil valves.
3. Locate and repair the leak.

If you need to replace parts in the oil lines to the transformer, run uninstallation procedure before repair, and re-initialize the DGA monitor when repair is done.

ETH1: Local connection to user interface.

Connect your laptop with an Ethernet cable and open IP address 192.168.28.2 with a web browser.

ETH0: Ethernet connection for SCADA,

wired to external Ethernet connector. IP address assigned by DHCP (default).



Check the DGA Monitor liquid type from the type label. The transformer liquid type must correspond to the DGA Monitor liquid type.



Circuit breakers for DC power

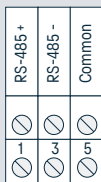
F1: breaker for heating power
F2: main breaker
F3: auxiliary device

Terminal blocks and cable glands

Y1

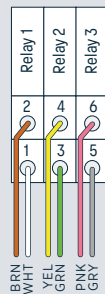
Isolated RS-485.

Default serial settings:
19200, 8, E, 1
Modbus RTU slave
Slave ID 240



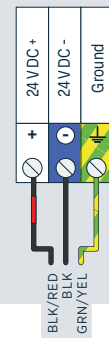
Y2

Relay control.
Connect to block X4
in power supply unit.
Use cable CBL210539.



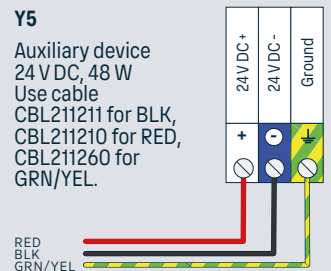
Y3

DC in from block X5
in power supply unit
(24 V DC, 20 A).
Use cable CBL210568
or max. 1.2 m cable
with 6 mm² (10 AWG)
wires.



Y5

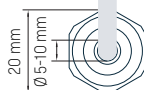
Auxiliary device
24 V DC, 48 W
Use cable
CBL211211 for BLK,
CBL211210 for RED,
CBL211260 for
GRN/YEL.



Oil out



Oil in



RS-485



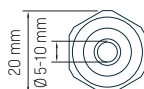
Relay control out



DC in



Ethernet
RJ45



Spare



Spare



docs.vaisala.com

Wire size
4-50 mm²
(12-1/0 AWG)



Use shielded cables.
Connect cable shield to the cable gland.

