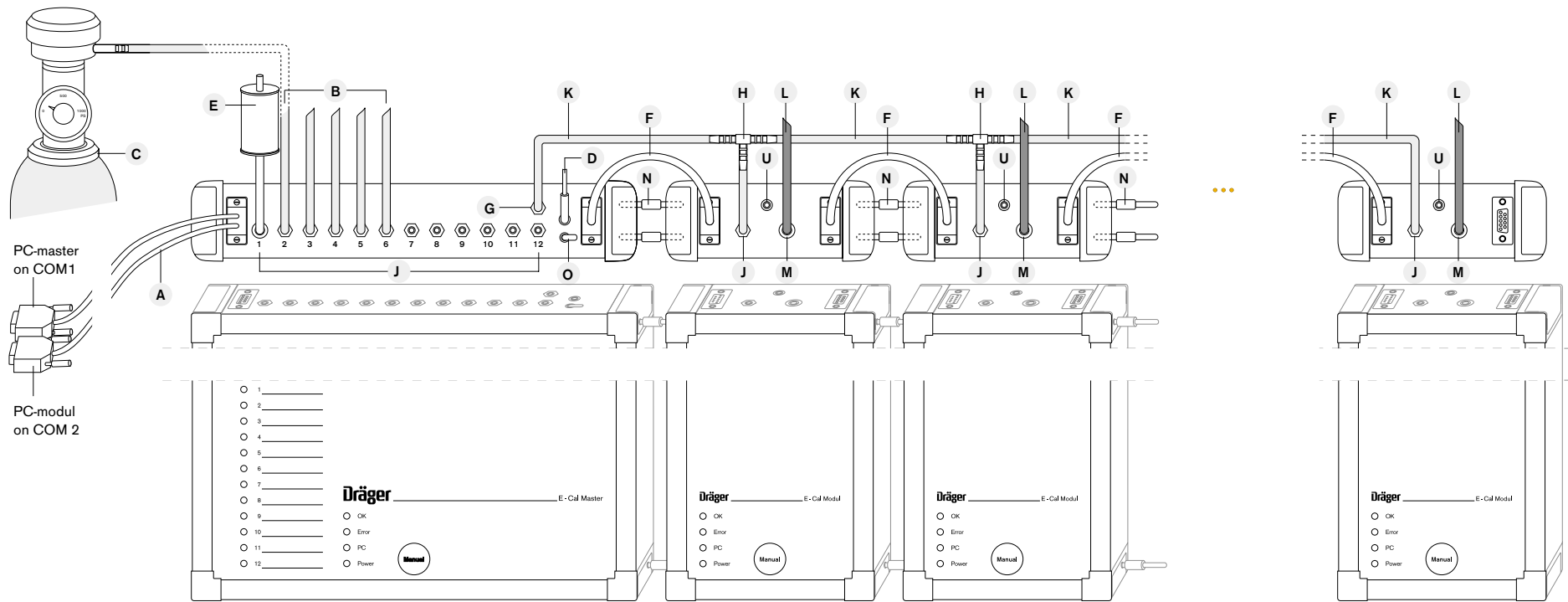


Dräger E - Cal Station Basic Configuration

Optimal Component Arrangement – For Computer-Controlled As Well As Manual Operation



Setup starts with the master module (depicted with 12 gas inlet valves) and progresses towards the right.

Setting up Dräger E - Cal Master.

Make sure sufficient space for all components is available! (Depending on the utilized E - Cal modules, an E - Cal Station with 10 connected modules plus purge module needs at least between 1.9 to max. 2.9 or 0.8 to max. 1.2 qm excl. computer).

- Connect PC cable **A** with E - Cal master (slot next to gas treatment cartridge **E**) and PC (PC master on COM 1, PC module on COM 2). This type of connection is not applicable with manual operation.
- Plug gas supply hoses **B** (not included in shipment) into gas input valves **J** and connect with the on-demand valve **C** (article No. 8316556) of the gas bottle.
- Connect power pack **D** (article No. 8316575). The E - Cal master supplies electricity to the entire E - Cal Station.
- Remove protective cap from gas treatment cartridge **E**. Protective cap does not have to be replaced.

Setting Up E - Cal Module on Right Side of E - Cal Master.

- Unpack the enclosed communications cables **F**, hose couplings **K**, and exhaust gas hoses **L**.
- Insert communications cables **F** into the E - Cal module and the module on the left.
- Connect T-connector of hose **H** with the gas inlet valves **J** of the E - Cal module (except with last E - Cal module on right). Starting with the gas outlet valve **G** of the E - Cal master, connect the E - Cal modules with the gas supply hoses **K** using the T-connectors of the hose **H**. Shorten gas supply hoses **K** to optimal length to prevent bending and pinching of hoses.
- Insert exhaust gas hoses **L** into gas outlet ports **M**. **Do not extend exhaust gas hoses!**
- Plug connecting pins **N** into the provided connector holes of the module (right side wall) and join module (optional). The E - Cal module can also be utilized as a charging station, if required, by connecting the module to the power supply using the power pack socket **U**.

Setting Up Last AutoCal Module on Right.

- Unpack the enclosed communication cables **F**, hose couplings **K**, and exhaust gas hoses **L**.
- Insert communications cables **F** into the E - Cal module and the module on the left.
- Connect gas supply hose **K** with the T-connector **H** of the left module and the gas inlet valve **J** of the E - Cal module. **Do not use a T-connector for the last module!**
- Connect exhaust gas hose **L** with gas outlet port **M**.
- Attach module to module on left using the connecting pins **N** (optional).

All green LED power lights of the connected modules are illuminated after switching the E - Cal master with switch **O**.

Dräger E - Cal Station Components

E - Cal Master

Component supplying gas to the calibration modules.

E - Cal Master Standard Equipment:

- E - Cal master including gas treatment cartridge
- PC cable
- Connecting pins (2)
- Power pack (article No. 8316575)
- Software

E - Cal Module

Calibration module for Detection instruments: Multiwarn II, MiniWarn, and Pac III.

E - Cal Module Standard Equipment:

- E - Cal module
- Communications cables (with two 9-pole plugs)
- Exhaust gas hose
- Hose (approx. 25 cm) for gas supply
- T-connector
- Connecting pins (2)

Purge Module

Optional component of active pumping off and centralized disposal of exhaust gases.

Purge Module Standard Equipment:

- Purge module
- Communications cables (with two 9-pole plugs)
- Exhaust gas hoses for calibration module (10)
- Connecting pins (2)

Module Adapter

Optional component for E - Cal module standalone operation.

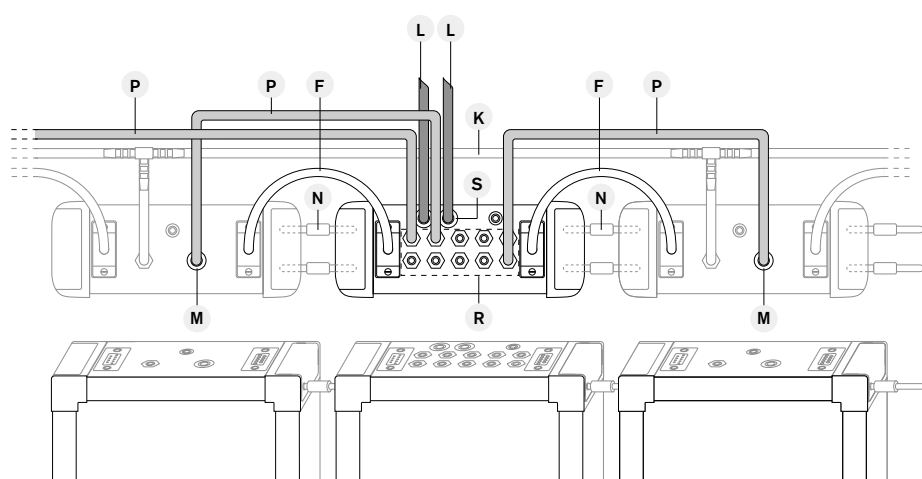
Module Adapter Standard Equipment:

- Module adapter (with two 9-pole plugs)
- PC cable
- Power pack (article No. 8315705)

Purge Module Integrated into E - Cal Station

Purge module (depicted with 10 inlet valves) is preferably installed centered between the calibration modules.

- Unpack the communications cables **F** and exhaust gas hoses **P** included with the purge module.
- Connect waste gas hoses **P** with the gas outlet ports **M** of the E - Cal module.
- Connect the unattached hose ends of the exhaust gas hoses **P** with the gas inlet valves **R** of the Purge module.
- Connect Purge module with the E - Cal modules using communications cables **F**.
- Attach exhaust gas hose **L** for venting gas to outside (or conduit) to gas outlet port(s) **S**.
- Plug connecting pins **N** into the provided connector holes of the Purge module (right side of wall). Attach Purge module to E - Cal modules using the connecting pins.



E - Cal Module Standalone Operation

A module adapter is required to operate an E - Cal module as a standalone unit. The module adapter can, but does not have to be connected with the PC.

- Connect PC cable **A** with Module Adapter and PC.
- Connect the gas supply hose **K** with the gas inlet valve **J** and on-demand valve **C** (article No. 8316556) of the gas bottle to enable the gas supply.
- Connect exhaust gas hose **L** with gas outlet ports **M**.
- Connect module adapter **T** with E - Cal module and then to COM port of PC if used with computer.
- Connect power pack (article No. 8315705) **D** for the E - Cal module with module adapter **T**.

