



CM Terminal for oil condition sensors

Condition Monitoring is a fundamental prerequisite for safe and efficient operation of oil-hydraulic and lubrication systems. Continuously monitoring key parameters enables maximizing the service life of oil and reduce maintenance expenses.

The CM Terminal offers the basis for combining various CM sensors in an easy to see location. Their outputs allow compatible information networking to the master system.

Available:

- Purity class/contamination
- Temperature
- Humidity
- Conductivity
- Permittivity
- Oil ageing/remaining life
- Pressure level

To correctly set the flow range of the BPM particle monitor, the terminal block is directly equipped with a throttle valve.

Compact design

Simple option to combine various oil condition monitoring parameters

Custom combinations

Integrated flow regulation



Planning information

Mount

The block can be mounted with four screws. Be sure the support structure is sized adequately.

Connecting the oil circuit

The connecting line upstream from the particle monitor should be at least 1.5 m long to remove air bubbles in the oil.

Avoid pressure peaks in the system to ensure a constant flow rate.

Follow the relevant safety regulations to prevent environmental damage due to potential oil leaks (e.g. collection pans).

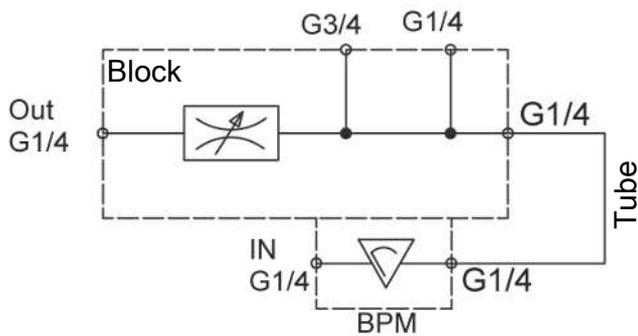
Please also note the information and technical data of the planned sensor types. For information, please refer to the data sheets and operating instructions of the devices.

Technical data

Material/version

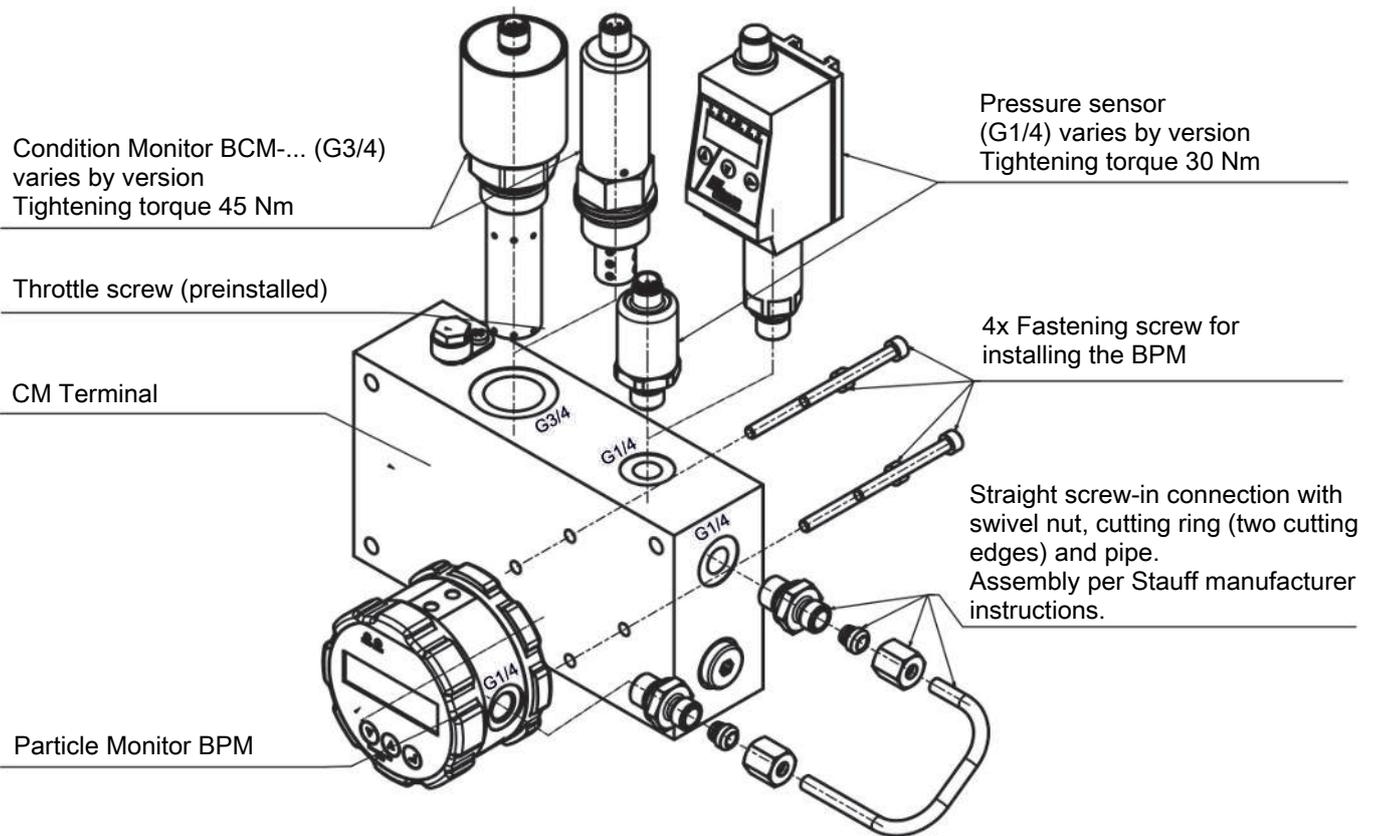
Max. operating pressure:	50 bar
Temperature:	-20...85 °C
Material:	Aluminium, ZnNi-coated steel, brass, NBR

Connection schematic



System layout

In the delivered state, the bores for the BCM and pressure sensor are covered with VSTI- plugs.



Note!

The sensors are not included with item 1590001011 – CM Terminal.

Order sensors separately.

Please note the sensor datasheet on our website:

<https://www.buehler-technologies.com/en/fluidcontrol/oil-condition-sensors/>

Dimensions and mounting options

Condition Monitor BCM-... (G3/4) varies by version

