



## Measurement technology | METPOINT® MCA

### METPOINT® MCA O, OP, OPS, OS: For mobile and flexible analysis of compressed air

#### Precise monitoring without stationary installation

Continuous monitoring is vital for the consistent quality of the compressed air supplied to your compressed air plant. However, measurements may be necessary at points where there is no stationary measuring technology installed (yet). For these cases, the METPOINT® MCA is available as a mobile and flexible solution.

#### Modular adaptation to your individual requirements

The mobile measuring unit METPOINT® MCA is offered in different equipment variants. All these variants can be used to measure residual oil content in the compressed air and evaluate and document these via the integrated data logger. The P option of the METPOINT® MCA is additionally equipped with a high-precision particle counter in order to be able to detect even the tiniest of solids down to 0.1 µm in size. The S option has additional sensors in the case for recording humidity, volume flow, pressure and temperature and includes accessories. The equipment variants can be combined according to individual requirements.

#### Continuous recording of hydrocarbon vapours and gases in compressed air technology firmly integrated

The METPOINT® OCV was developed for measuring hydrocarbon vapours and gases in compressed air applications. The detection levels are as low as one thousandth mg/m³ of residual oil content and are executed continuously in ongoing operation. Short measuring intervals enable the rapid and reliable display of even the smallest of changes. This provides you with certainty about the residual oil content of your compressed air as an important element of your process reliability at all quality-critical points in the plant. The measurement data can be utilised for documenting the compressed air quality and for identifying contamination sources.

#### › Safe

- › Precise oil vapour measurement using PID sensor technology
- › Reproducible residual oil content measured values by means of internal reference gas generation (catalytic converter principle)
- › Automatic monitoring for the reference gas and sensor electronics
- › Recording of all data in the integrated METPOINT® BDL data logger

#### › Reliable

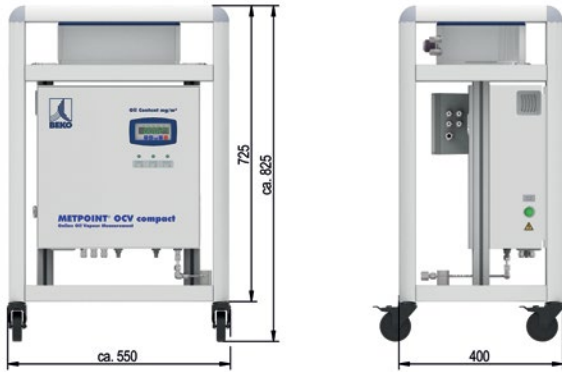
- › High-precision measuring methods from the tried-and-trusted METPOINT® portfolio
- › Measuring range for oil vapour from ≤ 0.01 ... 2.5 mg/m³

#### › Practical and mobile

- › Delivered in one complete portable unit
- › User-friendly 7" touch display for the visualisation of the measured values and simple configuration
- › Stable aluminium frame with lockable wheels
- › Compressed air connection easily accessible
- › Central voltage supply with main switch
- › Cover plate for protection during transport

# Direct comparison of the METPOINT® MCA variants

Check your complete compressed air system for oil vapour and find out where more intensive treatment is necessary – with our mobile measuring and analysis unit METPOINT® MCA. With additional measuring method depending on requirements and option selected.

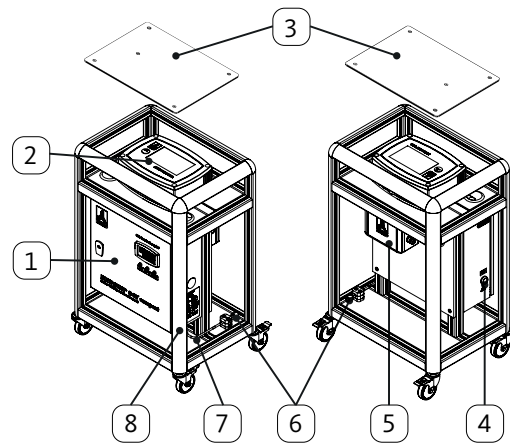


Measured value	Options		
	O	P	S
Residual oil content (oil vapour) [mg/m³]	✓	✓	✓
Particle concentration [cts/m³]		✓	
Pressure dew point [°Ctd]			✓
Temperature [°C]			✓
Relative humidity [%]			✓
Volume flow compressed air [m³/h]			✓
Operating pressure [bar(g)]			✓
Compressed air speed [m/s]			✓



Position no.	Description / explanation
1	METPOINT® OCV compact
2	METPOINT® BDL
3	Cover
4	Illuminated ON/OFF push button for METPOINT® OCV compact
5	Central power supply with main switch illuminated ON/OFF push button
6	Compressed air supply
7	Manifold
8	Base frame

\* (Option P)



## Do you have questions about the best way of processing compressed air?

We have the answers! We offer efficient solutions for any type of processing chain. Please contact us with your queries. We would be delighted to tell you more about, and present, our

condensate processing, filtration, drying, measuring and process technology as well as our comprehensive services.

Visit us at



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