HPC Compressed Air Systems

KAESER COMPRESSORS®


# KAESER MEASURING EQUIPMENT

**KM Series**

Intelligent process data capture

Making the invisible visible.

**www.kaeser.com**

# KAESER Measuring Equipment – Process data capture

With the aid of intelligent sensors from KAESER, process data can be bundled, analysed and put to use – allowing the entire compressed air system to be continuously monitored. In this way, any irregularities can be swiftly identified and resolved. Centralised monitoring and the availability of key figures through the SIGMA AIR MANAGER 4.0 compressed air management system permit visualisation of data analysis and highlight anomalies when limit values are exceeded or fallen short of.
Status monitoring enables you to display specific parameters and KPIs in order to keep track of operating conditions for all of the connected components, which means that you always have excellent oversight of your compressed air supply and can achieve targeted optimisation of your energy usage.

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|---|---|
| **Intelligent sensors** | Multiple data capture – track all relevant measured values per measurement point, Power over Ethernet, simple data integration via SIGMA NETWORK |
| **Process data capture** | Real-time monitoring. Data evaluation. KPIs. Observation. Troubleshooting. Understand and evaluate correlations. System monitoring and screening. |
| **Compressed air system** | Standardised, high-quality sensor technology; easy installation and commissioning; certified products |

## KM AA/A (Ambient Analyser Advanced)

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|---|---|
| Measurement | - Intake conditions |
| Measured values | - Atmospheric pressure<br>- Temperature<br>- Relative humidity |

## KM FA/P (Flow Analyser via diff. pressure)

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|---|---|
| Measurement | - Flow rate<br>- Dynamic pressure probe |
| Measured values | - Flow rate<br>- Pressure<br>- Temperature<br>- Volume<br>- Velocity |

## KM PA/B (Process Air Analyser Basic)

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|---|---|
| Measurement | - Process data |
| Measured values | - Pressure<br>- Temperature |

## KM FA/T (Flow Analyser via temperature)

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|---|---|
| Measurement | - Flow rate<br>- Calorimetric |
| Measured values | - Flow rate<br>- Pressure<br>- Temperature<br>- Volume<br>- Velocity<br>- Leakage flow |

## KM PA/A (Process Air Analyser Advanced)

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|---|---|
| Measurement | - Pressure dew point |
| Measured values | - Pressure dew point<br>- Pressure<br>- Temperature<br>- Relative humidity<br>- Concentration |

## KM EA/A (Energy Analyser Advanced)

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|---|---|
| Measurement | - Energy<br>- Quality analysis balance |
| Measured values | - Power<br>- Voltage<br>- Current<br>- Voltage errors<br>- Harmonic 800 values |

P-774ED Specifications subject to change without notice. 1/23

# The world is our home

As one of the world's largest compressed air system providers and compressor manufacturers, KAESER KOMPRESSOREN is represented throughout the world by a comprehensive network of branches, subsidiary companies and authorised partners in over 100 countries.

With innovative products and services, KAESER KOMPRESSOREN's experienced consultants and engineers help customers to enhance their competitive edge by working in close partnership to develop progressive system concepts that continuously push the boundaries of performance and compressed air efficiency.

Moreover, the decades of knowledge and expertise from this industry-leading system provider are made available to each and every customer via the KAESER group's global computer network.

These advantages, coupled with KAESER's worldwide service organisation, ensure that every product operates at the peak of its performance at all times and provides maximum availability.


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