



Expertise – Passion – Automation



SMC makes energy consumption transparent!

EnergyTransparency@SMC

Do you want energy transparency? We got you covered!

The automation experts at SMC make energy consumption transparent – and future production more efficient.

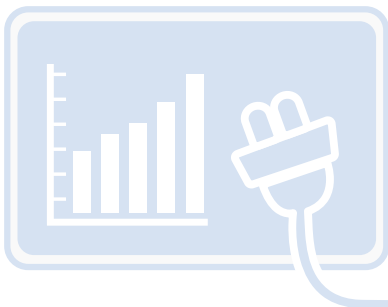
„If you can’t measure it, you can’t improve it.“
This quote by Peter F. Drucker is also highly relevant to industry when it comes to optimising energy efficiency and productivity.
With its extensive automation expertise, SMC is a capable partner, who can help to bring energy transparency into your production process.

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The savings potential in production is enormous – many operators know little about the actual energy consumption of their facilities. Often they only measure the compressed air flow at the entrance of the production hall, but not at the machines themselves.
When there is a shortage of compressed air, another compressor is often installed instead of checking where less compressed air could be used.

Sustainable production is impossible without continuously monitoring plants to identify leaks and comparing the compressed air consumption of different machines.

With this in mind, SMC has developed a comprehensive energy transparency package. From hardware to web-based data processing – everything „as a service“.



Plug’n’play hardware makes integration easy

- Industrial facilities use many litres of compressed air every day – and a significant portion of it is lost through leaks. This is a critical problem in the era of green production, because the production of compressed air accounts for 10 per cent of energy consumption in the industry.
This makes it a decisive factor when it comes to increasing energy efficiency and minimising costs.

SMC provides deep insights into compressed airflows to facilitate sustainable energy strategies.

All that is needed is a compact assembly unit, which is delivered by SMC ready for use. You install the assembly unit where desired on your machine by simply splitting the existing pipe, integrating the assembly unit and plugging the mains plug into the socket. In less than 10 minutes (including installation), you will be able to see the consumption data for your desired measurement point on the IoT platform, where the data is sent through the mobile network.

Our real-time reporting for informed strategies

- The IoT platform evaluates all collected data and takes care of reporting at the same time: operators receive a detailed report each month in addition to all raw data. Those looking to monitor their facilities in real time can do so online from anywhere. This means that changes to pneumatics can be evaluated directly according to their impact on consumption values and leaks can be identified.

Individual data sets are securely stored on German servers.

SMC offers hardware, cloud services and reporting in an attractive package with a transparent cost structure – everything from a single source, from the sensor to the cloud.

Lay the foundations for sustainable production with „EnergyTransparency@SMC“.





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SMC Deutschland GmbH
Boschring 13-15 • 63329 Egelsbach
Tel. +49 (0) 6103 402-0
info@smc.de
www.smc.de

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