mesutronic
DETECTING WHAT MATTERS

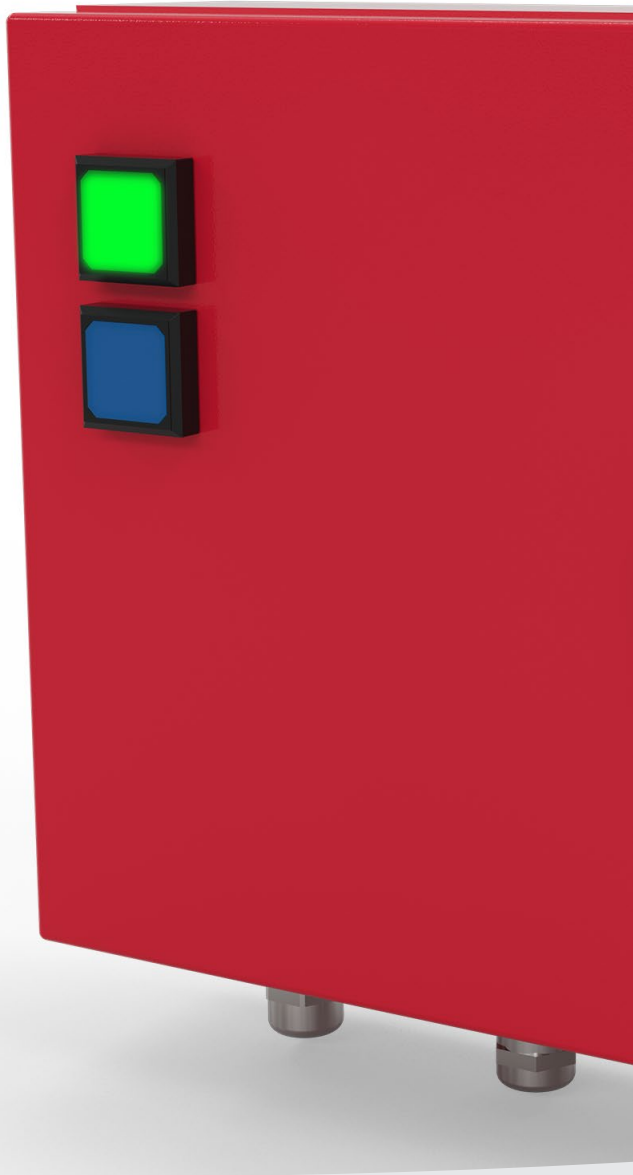
AMD 03

Evaluation electronics for metal detectors

Simple and cost-effective

Easy to use for all users

The clearly arranged operating elements and the easy-to-understand labelling guarantee trouble-free commissioning. Operating ststaes are clearly signalled by indicators on the board. The most frequently used parameters, excretion time and recognition accuracy, are easy to set using rotary potentiometers.

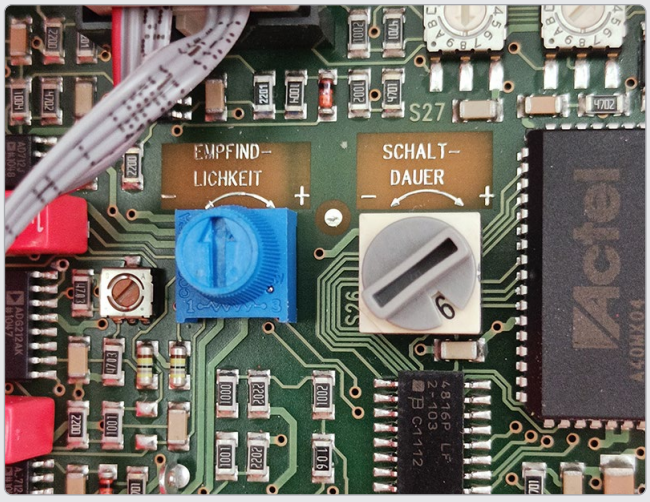


Proven technology made in Germany

Digital signal evaluation provides recognition accuracies at the current level. SMD components not only save space, but also offer top quality and maximum reliability for our users. Faulty component placement is ruled out thanks to the fully automated component installation process. In addition, every circuit board is checked meticulously and artificially aged.

Safe operation in any application

After activation, but also during operation, the electronics automatically and continuously adapt to the relevant environmental and operating conditions. This means that changes made due to, for example, temperature fluctuations, are automatically compensated for. The multifunction filter system ensures stable, reliable sensitivity values without interference, even in unusually harsh environments. The self-monitoring system reports error states via LEDs.

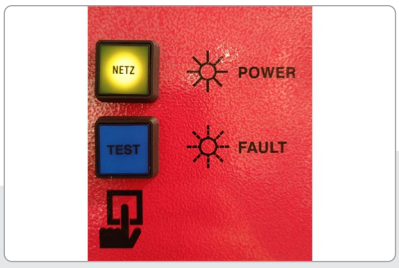


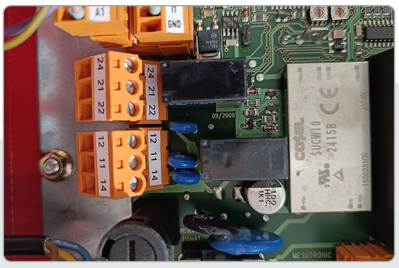
Typical areas of application

Typical fields of application are: protection of a fine-cutting mill with the QUICKTRON 03 R metal separator, protection of a beside-the-machine mill with the METRON 03 SL, and the protection of injection-moulding machines and extruders in pneumatic conveying system with the P-TRON 03 FM

Analogue and digital connectivity

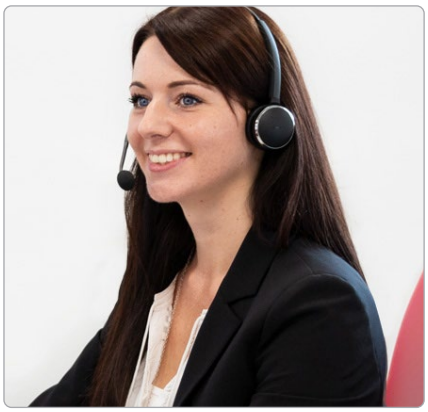
Depending on the area of application, reset and test buttons can be connected (already available on site with the QUICKTRON 03 R). Relays for readiness and metal are freely available. These can also be used for connection to a process control system. Further details can be found in the data sheet of the relevant complete system.





Fast and uncomplicated service

Plug-in connections and pre-configured spare parts mean that it only takes a few minutes to replace the motherboard. This makes „do it yourself“ repairs possible without any problems. The versions of the AMD 03 series are compatible with each other and can be replaced by newer models. This ensures a long-term supply of spare parts.



No compromises, always there for you

During the entire life cycle of the inspection system, from project planning to commissioning, the productive phase until a fault occurs, a professional, agile and attentive service team decides on the ultimate effectiveness of the inspection programme installed by the customer. At Mesutronic, the customer is at the heart of everything we do in all these phases. This starts with a system concept that places functionality above yields and ends with an after-sales service for fast, reliable help that comes as standard. Our training offer is tailored to your needs and increases the competence of every level of personnel that comes into contact with our systems.

Headquarter Germany

Mesutronic GmbH
Hackenfeld 13
94259 Kirchberg im Wald
Germany

+49 9927 9410 0
sales@mesutronic.de
www.mesutronic.de

Sales and service USA

Mesutronic Inc.
4502 Southmark Dr.
Salisbury, NC 28147
USA

+1 980 265 4015
info@mesutronic.us
www.mesutronic.us

Sales and service France

Mesutronic France SAS
11, rue de Mittlerweg
F-68000 Colmar
France

+33 03 89 20 43 98
contact@mesutronic.fr
www.mesutronic.fr

You can find further international partners
on our website at **www.mesutronic.de/en/contact/**

Version 2025-08-05-AMD 03