



AMD 05

Evaluation electronics for metal detectors

Flexible and Reliable

Easy to use for all users

The clearly arranged operating elements and the easy-to-understand labelling guarantee trouble-free operation. The multilingual five-line LCD display enables the quick and intuitive setting or querying of all relevant system parameters. Unauthorised access is prevented by full user management with predefined roles. The setting options are appropriately divided into different user groups. Product effects can be easily compensated for via the learning function and the collected settings can be stored in parameter memories. They can then be retrieved at any time. An event log continuously stores all events on the system.

Proven technology made in Germany

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. The modern „SuperPHASE“ evaluation procedure enables high detection accuracy. Due to the high strength of the magnetic field generated, even larger detection apertures can still provide excellent results for all metal types. The optional multi-frequency technology allows the examination of significantly varying products using only a single metal detector.



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 robust membrane keyboard with large control elements facilitates safe use - even in harsh environments.



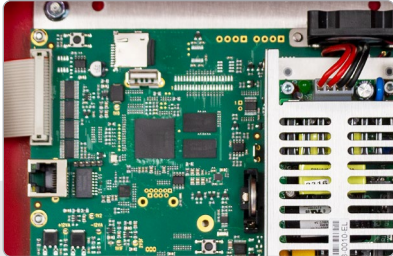
Typical areas of application

Typical fields of application are: protection of machinery and equipment in food, hygiene, textiles, wood, plastic and mining; quality assurance in all areas outside the food and pharmaceutical industry; and quality assurance in the food industry with reduced requirements



Analogue and digital connectivity

These evaluation electronics provide multiple freely configurable 24VDC inputs and outputs. In addition, two relays (metal and error) are freely available for use by the customer. An external USB port is available as standard for data transfer. For example, the system can be connected to our mesuLINK network solution via its Ethernet (RJ45 TCP/IP) connection. However, networking with a customer system via OPC/UA log is also possible. Further details can be found in the datasheet 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 PCBs. This makes „do it yourself“ repairs possible without any problems. All product and system parameters are automatically or manually stored in a fail-safe way on an SD card. This is simply used in exchange electronics to avoid data loss. The scope of services includes both possible access via remote maintenance and the export of fault logs via USB.



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.



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