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FORGING FUTURE

muRata
INNOVATOR IN ELECTRONICS



GAIA

HIGH PERFORMANCE SOIL MONITORING SYSTEM

Buy now



The GAIA IoT system

is a wireless high-performance module designed specifically for the smart agriculture sector. GAIA is particularly characterized by the accurate temperature-compensated measurement of the water content in the soil, as well as the determination of the fertilizer content. This is what an accurate measurement of the electrical conductivity of the soil makes possible. The GAIA system allows the management and cultivation of crops to be optimized. The data is collected at regular intervals and sent wirelessly to a cloud backend.

FEATURES

- » **Wireless data transmission via LoRaWAN®, MIOTY® or NB-IoT**
- » **Maintenance-free operation with PV module ensures long runtimes without battery replacement**
- » **Accurate detection of electrical conductivity what allows the determination of the fertilizer content a trend composition of soil**
- » **Precise measurement of the water content in the soil with temperature compensation**

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