



AQTRONIC M27 Ohmic Sensor Module Instruction Manual

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AQTRONIC

M27 Ohmic Sensor Module

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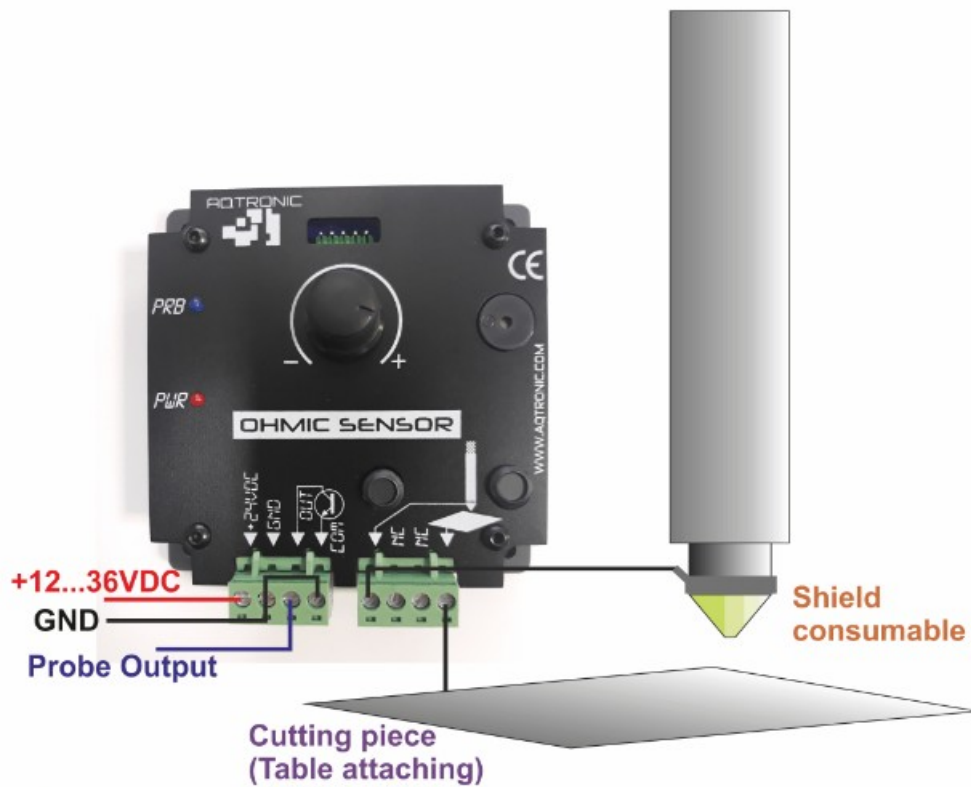
Device information.

The unit is a analog ohmic sensor comparator that works by analyzing resistance changes between special Ohmic consumable attached to the Plasma torch nozzle and the cutting piece or machine's table. The sensor activates the output when the resistance value at the detector input is less than the stored threshold value.

Always use the Ohmic sensor with a backup sensing system like FloatHead (mechanical Touch-off) that will stop down motion or magnetic torch holder if the sensor fails to work. This can happen on dirty, oily, rusty or painted metal. Keep the tip of the nozzle on your torch clean and free from trash and slag.

Be aware that since electrical contact is required. The late must not be coated or covered in nonconductive material. Please note that if you use a water table, the torch shield gas tends to splash the water around and the result is that it gets on

the torch, which closes the Ohmic circuit or that the torch will do down into a puddle of water on the plate, which could result in a miss cut. More care needs to be taken when using ohmic sensing over water.



Specification:

Power : 12...36VDC

Output : Opto Isolated – Low active

Sensing range – (0 – 1) MOhm

Ability to adjusting the ohmic sensor sensitivity

Ability to eliminate HV/HF ionizing voltage

Unit setting:

Confirm the power supply and I/O signal circuit.

Turn on OHMIC. The red light (PWR light) will light up, rotate the sensitivity trimmer clockwise until the blue led (PRB) lights up, the alarm buzzer is also noisy. At this point, slowly turn the sensitivity trimmer counterclockwise until the blue led turns off.

The unit is ready for use.

<http://www.aqtronic.com>

Documents / Resources



[AQTRONIC M27 Ohmic Sensor Module](#) [pdf] Instruction Manual
M27 Ohmic Sensor Module, M27, Ohmic Sensor Module, Sensor Module, Module

References

- [User Manual](#)

Manuals+.