

Tramp Metal Detector Thermo Ramsey Oretronic IV.

Reliable tramp metal detection
in bulk materials.

Sensitivity from: Cube 10 mm
Sphere Ø 13 mm



Reliable Protection of your Equipment

Tramp metal can stop your operation, and the damage it causes to equipment can be expensive. The Ramsey Oretronic IV tramp metal detector provides an economical and reliable means to protect expensive crushers, conveyors and other process equipment from damage by tramp metal.



Safe Metal Detection even in Ores, or in wet Bulk Materials

The Ramsey Oretronic IV tramp metal detector is designed especially for belt conveyors moving coal, iron pellets, minerals, aggregates and other bulk materials. It can detect all types of metallic scrap, including bucket teeth, manganese steel mantles, bore crowns, bar scrap, chains and tools. It can even detect tramp metal when buried in wet conductive materials. And, because it is insensitive to materials with high magnetic permeability and electrical conductivity, this tramp metal detector can be used in applications where conventional metal detectors produce an unacceptable false alarm rate.

ORETRONIC METAL DETECTOR



Technical Specifications:



Belt speed:	0.025 m/s ... 9.1 m/s (1.5 m/min ... 550 m/min)
Power supply:	98 ... 253 V AC (Oretronic IV-4A), or 115 ... 230 V AC (Oretronic IV-6A) 50 .. 60 Hz, single phase, 0.9 A (Oretronic IV-4A), or 2.8 A (Oretronic IV-6A)
Display:	LCD graphic display, 77 mm x 58 mm, with permanent backlight for good visibility indoors and outdoors
Alarm outputs:	3 relais outputs (NO and NC), 5 A at 250 V AC (alarm Indicator, alarm, marker output) 2 relais outputs (NO), 5 A at 250 V AC (bypass, ready)
Operating temperature:	-40 °C ... +58 °C
Storage temperature:	-30 °C ... +75 °C
Relative humidity:	10 ... 95%, non-condensing
Control unit's housing:	Oretronic IV-4A: fiberglass plastic, IP 66 / NEMA 4X, 432 x 360 x 184 mm Oretronic IV-6A: steel, painted, IP 66 / NEMA 4, 687 x 524 x 230 mm
Serial interface:	RS485 (optional)
Coils:	Sealed in PVC
Support assembly:	FRP reinforced support assembly
Certifications (standard):	CE, RoHS
Certifications (optional):	ATEX



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Any question? →

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