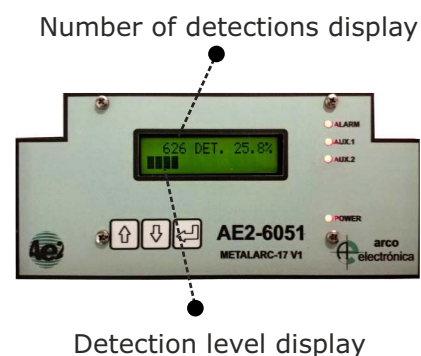
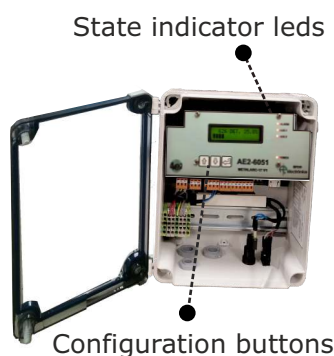


DOUBLE COIL METAL DETECTOR INSTALLATION ON CONVEYOR BELT METALARC V2

High sensitivity detector coils



Control cabinet and display



Metal detector for installation on conveyor belt to protect sensitive machines from possible metals (ferrous and non-ferrous) accumulated in the raw material.

Composed of 2 detection coils, which extend the detection distance, with respect to the coil simple. Divided sensor, so it is not necessary to cut the tape for installation. The distance between the coils depends on the model and can be: 300, 350 or 400mm.

The metal detectors is manufactured from high quality materials to support hard working environments and severe weather conditions.

The metal detector is composed of a control cabinet and a detector coil, for conveyor belts width of : **600 mm, 800 mm, 1000 mm or 1200 mm.**

FEATURES

- Easy installation and maintenance free.
- It avoids jams and prolong useful life of delicate machines.
- Programmable detection level and registration of up to 100 detections.
- Sensitivity adjustment and configuration from the control cabinet.
- Detection warning by means of led indicator and conveyor belt stop.
- Compatibility with SCADA control Arco Mineral Platinum.

SECTORS / APPLICATIONS



Quarry and gravel pits



Arids and mining

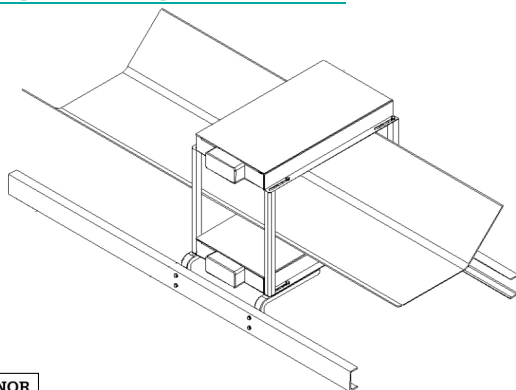


Recycling processes



Industrial plants

INSTALLATION EXAMPLE

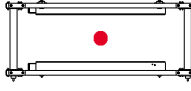


OPTIONAL: WIRELESS COMUNICATION

The wireless communication between cabinet and coil, allows to save installation costs if either of the two elements should be located on difficult access places.

- Easy installation and configuration.
- Maximum reach: 100 m, in direct vision.

TECHNICAL DATA

Supply voltage	115-230 VAC 50/60 Hz
Power	20VA
Working temperature	De 0 a 40 °C
Contact alarm 1 y 2	N.C 10A / 230VAC Potential-Free
Minimum speed - maximum detection	0,5 m/s - 2,5 m/s.
Sensitivity (*) (from the center of the coils)	 1) 150mm: Steel sphere Ø 40mm 2) 175mm: Steel sphere Ø 50mm 3) 200mm: Steel sphere Ø 60mm
Distance cable coil-cabinet	Maximum: 200 m
Distance wireless coil-cabinet	Maximum: 100 m en visión directa
Communication	Ethernet / RS-485
Degree of protection: coil and cabinet	IP67

(*) The definitive operative sensitivity will depend on the type of product and the speed of production.

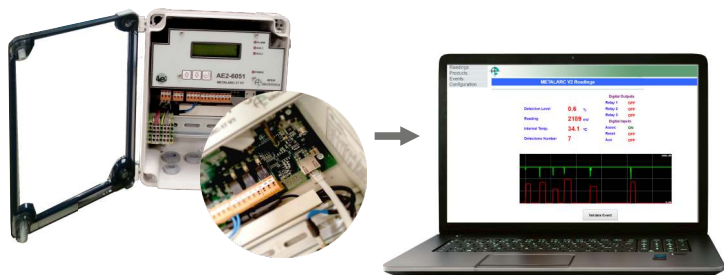
PRODUCTS AND ACCESSORIES

PRODUCT CODE	DESCRIPTION - BANDWIDTH mm	DISTANCE COILS	MODEL
AE203509352	Detector Doble Metalarc V2 - 800mm	300 mm	AE2-6070
AE203509353	Detector Doble Metalarc V2 - 800mm	350 mm	AE2-6070
AE203509354	Detector Doble Metalarc V2 - 800mm	400 mm	AE2-6070
AE203509355	Detector Doble Metalarc V2 - 1000mm	300 mm	AE2-6072
AE203509356	Detector Doble Metalarc V2 - 1000mm	350 mm	AE2-6072
AE203509357	Detector Doble Metalarc V2 - 1000mm	400 mm	AE2-6072
AE203509358	Detector Doble Metalarc V2 - 1200mm	300 mm	AE2-6074
AE203509359	Detector Doble Metalarc V2 - 1200mm	350 mm	AE2-6074
AE203509360	Detector Doble Metalarc V2 - 1200mm	400 mm	AE2-6074
OPCIONALES			
AE203509371	Wireless Communication Metalarc V2		AE2-6081

POSSIBILITY OF CONFIGURATION & ADJUSTMENT FROM PC

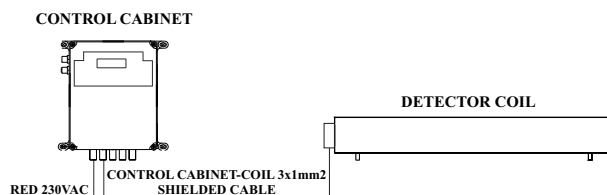
Connection via Ethernet port for configuration and setting from a web browser, allows viewing Real-time detection level.

- Detection level registration and number of detections.
- Programmable detection level.
- Memorization of up to 10 levels of detection.

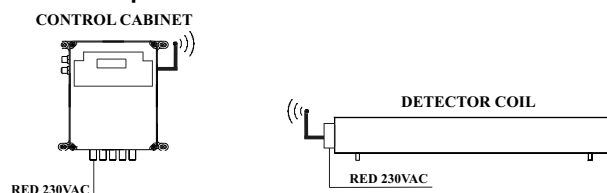


CONNECTED CONTROL SYSTEM

Standard



Wireless option



MEASUREMENTS

MODEL		Sensitivity Steel sphere Ø (mm)		
		H1	H2	H3
AE2-6070 - 800mm	L1	40	50	60
AE2-6072 - 1000mm	L2	40	50	60
AE2-6074 - 1200mm	L3	40	50	60
Control Cabinet AE2-6051	230 X 250 x 115			

