



Metal Detector Series JTC2

Introduction

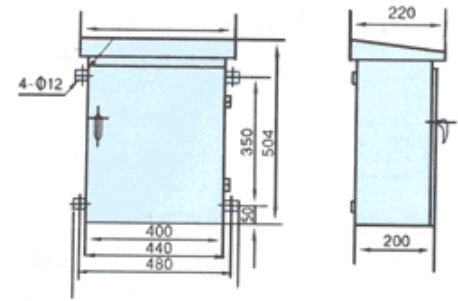
This metal detector series is a kind of new product designed and developed upon absorbing the overseas advanced technology and combining the actual conditions of the domestic customers. This product is widely applied for metallurgy, mine, power supply, coal picking, cement and chemical industries, which can continuously detect the magnetic metal articles mixed in the non-metal materials, and indicate the metal articles in the mode of non-contacting. Send the signal to the metal detecting & removing unit. Thus remove the articles to improve the products' quality and make sure the safe operation of the equipments.

Features

1. Steady performance and reliable operation for a long time.
2. Can be used for magnetic and non-magnetic materials; It has strong suppression for the interrupt of the magnetic materials.
3. Sensors removable, installation without belt disconnected.
4. Provided signal delay circuit to be adjusted according to the belt speed and the iron removing position.

Main technical data

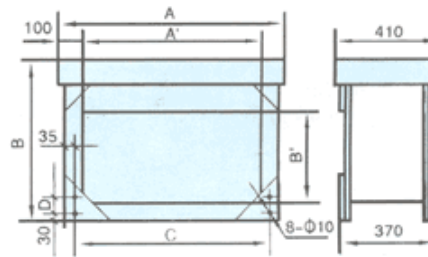
1. Environment temperature: -10°C~50°C
2. Relative moisture: <85%
3. Supply power voltage: ~220V±10%(50Hz)
4. Total power consumption <30W
5. Belt speed: 0.8-2.5m/s
6. Sensitivity = f20mm



Overall dimension drawing for a sensor

Sensor overall dimension table

Belt width	A	A'	B	B'	C	D
500	880	680	640	500	810	130
650	1030	830	640	500	960	130
800	1180	980	640	500	1110	130
1000	1380	1180	640	500	1310	130
1200	1580	1380	640	500	1510	130
1400	1800	1600	640	500	1730	130
1600	2000	1800	640	500	1930	130



Metal Detector supplier, metal detecting equipment, metal detecting tools, metal detection

Pattern selection reference table

Model	JTC2-500A	JTC2-650A	JTC2-800A	JTC2-1000A	JTC2-1200A	JTC2-1400A	JTC2-1600A
Belt width(mm)	500	650	800	1000	1200	1400	1600
Sensible iron ball(mm)	Φ20	Φ35	Φ40	Φ50	Φ60	Φ70	Φ70

Table for integrated metal detector and user's signal interface

Model	Interface signal		Metal detector unit Number		Note
	Separating troup Irons	Separating metal itens	Separating troup Irons	Separating metal itens	
CJKI-□/PLC	1. Ready for run	1. Ready for run	1 set	2 sets	1. The required signals can be connected into the control chamber upon the actual production situations by the customer. 2. There are operating bothors and signal display in the operation box.
GJK21-□/PLC	2. Main loop error	2. Main loop error			
	3. Detector error	3. Detector error			
	4. Separator running	4. Separator running			
	5. Detecting tramp irons	5. Detecting tramp irons			
GJK22-□/PLC	6. Continuous tramp irons detecting	6. Missed metal detecting	2 sets	4sets	
	7. Continous irons conveying bell stop interface	7. Missed metal conveying belt stop interface			

Note:

1. In column of "Interface signal", "[Separating tramp irons"refers to detect among the weak magnetic material and separate the irons." Separating metal itens "refers to detect the magnetic metal(iron,etc)as well as non-magnetic metal(manganse steel,etc).The magnetic metal will be auto separated by the separator.The non-magnetic metal will only be manually separated after the material conveying belt comes to stop.
2. Out put signal interface is passive contact." Belt stop" interface is a couple of often-open and often-closed contact.In principle,the other interfaces provide a couple of often-open contact.

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