

METAL DETECTOR SINGLE SYSTEM

L 653/1 e

**Reliable Protection
Of Machines And Plants**



**Technology
Full Of
Attraction**



wagner
magnete

Wagner metal detectors control conveyer flows. As soon as a magnetic or non-magnetic metal part of sufficient size passes the sensor, it is detected and a potential-free relay contact is activated.

The type 653/1 is a single plate system.



Reliable operation due to robust sensor housings

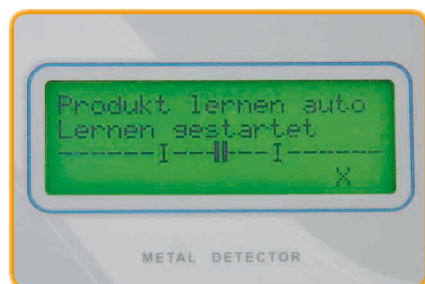
Both transmitter and receiver coils are encapsulated and shielded in a solid steel casing. Therefore our detectors are robust and fail-safe and show high protection against thermal and mechanical stress.

Easy mounting quick commissioning reduce costs

If none of our standard devices can be installed because of especially difficult installation conditions, we can manufacture custom designs. The control electronics can be mounted up to 50 meters from the sensor. No special knowledge is required for commissioning.

Latest control technology for maximum safety and easy operation

Our new control electronics 650/2 with user-friendly text display is an essential item of all Wagner metal detector control units. Latest control technology and evaluation algorithms are the basis for high resistance to jamming and enable effective suppression of material effects.



It is possible to store 50 different detector configurations. They can be invoked by using the text display. The standard controller provides English and German operation language. A third operation language can be pre-installed by Wagner or can be loaded in the field.

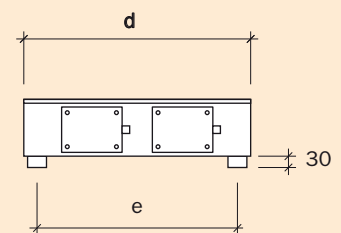
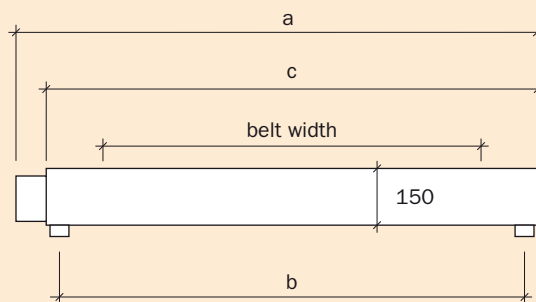
Potential-free relay contacts are used for metal detected and detector healthy signals.

METAL DETECTOR SINGLE PLATE SYSTEM 653/1

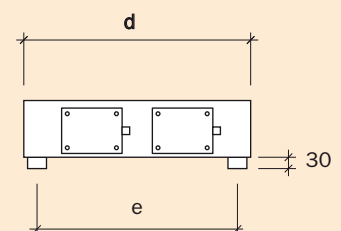
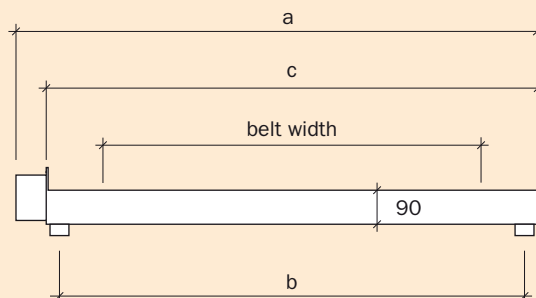
ABMESSUNGEN

Type	belt width mm	a mm	b mm	c mm	d mm	e mm	weight approx. kg
653/1-50-60	500	910	750	820	600	520	71
653/1-65-60	650	1060	900	970	600	520	81
653/1-80-60	800	1210	1050	1120	600	520	91
653/1-100-60	1000	1410	1250	1320	600	520	105
653/1-120-60	1200	1610	1450	1520	600	520	118
653/1-140-60	1400	1810	1650	1720	600	520	132
653/1-160-60	1600	2010	1850	1920	600	520	145
653/1L-50-45	500	910	750	820	450	370	45
653/1L-65-45	650	1060	900	970	450	370	50
653/1L-80-45	800	1210	1050	1120	450	370	55
653/1L-100-45	1000	1410	1250	1320	450	370	65
653/1L-120-45	1200	1610	1450	1520	450	370	75

653/1-...



653/1L-...



Changes of dimensions and design are subject to alterations. Please ask for latest drawings.



The basic control electronics 650/2 comes with a shielding wall mountable steel sheet casing. The text display is fully integrated in the front door. All necessary electrical connections can be made via the fittings in the bottom of the casing.

Protective system IP54

Weight: 5,5 kg

Casing dimensions: 280 x 270 x 100 mm

Nominal voltage: 100 ... 240 Volt AC / 50 ... 60 Hz

Power consumption: ca. 100 Watt

*650/2 S-2 and 650/2 S-1:
Optimized for use in industrial
control systems*

The control unit 650/2 S-2 comes with an additional robust wall-mountable steel enclosure. It is well protected against mechanical damage, rain, sand, dust and other environmental conditions. All potential-free relay contacts and power lines (100 ... 240V AC) are easily accessible at reliable spring terminals.

Additional comfort provides the control unit 650/2 S-1 with its integrated universal transformer for connecting the controller to various supply voltages (230 to 550 Volt AC). Additionally all controller inputs and outputs for complex control technologies (e.g. remote sensitivity control) are easily accessible at spring terminals. The control unit is ready for use with additional signal lights and hooters which can be mounted at the steel casing.



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