

SDT

ADVANCED DIGITAL METAL DETECTOR FOR RECYCLING INDUSTRY

ULTRA HIGH
SENSITIVITY
TO ALL METALS

HIGHEST
IMMUNITY TO
ENVIRONMENTAL
INTERFERENCE



KEY FEATURES

- **Ultra high Sensitivity** to all magnetic and non-magnetic metals, including stainless steel
- **Openable AISI 316** stainless steel construction system
- **Compact** and **robust construction**
- **High immunity** to environmental interference
- **Wide Detection Speed range**, from 1 up to 600 m/min
- **Easy installation** and **setting on existing conveyor** without belt opening
- **Internal self-diagnosis system**
- **Easy to read, high-contrast graphic display**

APPLICATIONS

- PAPER
- WOOD
- TEXTILE
- GARMENT
- PLASTIC
- RECYCLING
- RUBBER
- CHEMICAL
- RUBBER
- MINING
- CEMENT

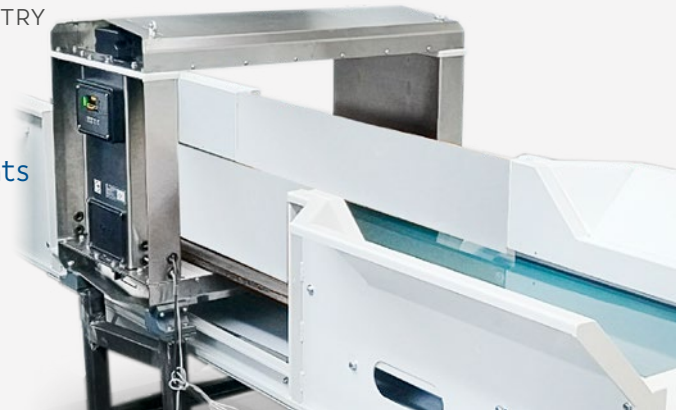


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QUALITY CONTROL AT ITS FINEST



The **CEIA SDT digital Metal Detector** is suitable for intercepting magnetic and non-magnetic metal fragments of small to medium dimensions in recycling industrial, textile, chemical, mining, foodstuffs and other products, both **for quality control** and **machinery protection**.



PROGRAMMING FEATURES

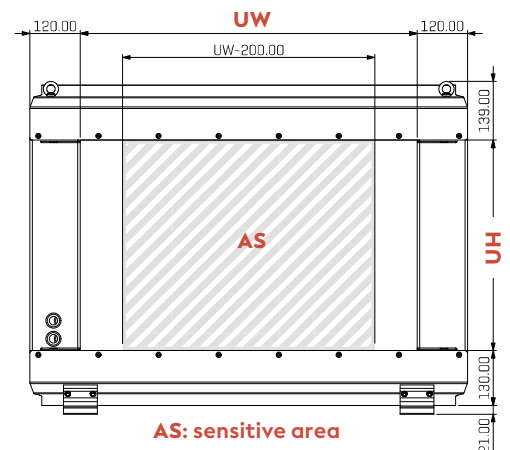
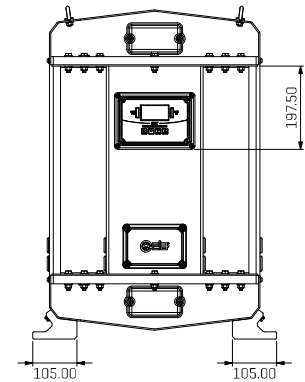
- **FULLY DIGITAL PROGRAMMING**
- **INTERNAL DATA LOGGING** with data and timestamp for Quality Control
- Password protected with **SEPARATE USER** and **ENGINEER LEVEL**
- **BT COMMUNICATION** for setting and maintenance through external PC
- **AUTOLEARN FUNCTION** for automatic setting of the maximum sensitivity in dry and wet conditions
- **BUILT-IN FUNCTION FOR AUTOMATIC MEASUREMENT** of the external interferences

SPECIFICATIONS

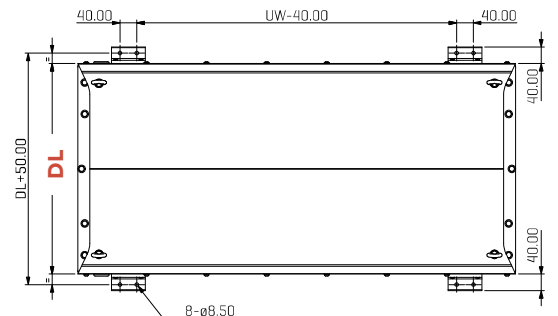
General Features	Adjustable sensitivity with wide dynamic range (0-299) Interception speed programmable according to its application Digital programming with OLED graphic display Visual alarm signal Built-in self-diagnosis system Permanent settings memory without battery back-up		
Construction	Material	Electronic unit	AISI 316 Stainless steel
	Protection degree	Probe	AISI 316 Stainless steel
Power supply	Voltage	100-240 V~ single phase – 50/60 Hz	
	Current	0,64 A max	
Programming	Type	Local	Through built-in keyboard
		Remote	BT Wireless
	Data capabilities	Internal memory	1000 events 20 products
Signalling	Audible	Internal buzzer	
	Visual	Graphic display with bar-graph indication Bright indicators on Control Panel RED: Alarm or fault GREEN: Line present	
Security and Safety	Programming access	2 access levels: Operator and Supervisor.	
	Galvanic isolation of line voltage		
	Low operating voltage	No danger for the operator	
	In accordance with international standards of safety and radio interference		
Control inputs	Connection for	Alarm reset or Encoder input	
	BT Wireless interface	Built-in	
Outputs	1 programmable relay	Alarm relay	
Environmental Data	Temperature	Working	0 – +50 °C
		Environmental	-10 – +55 °C
		Storage	-25 ÷ +55 °C
	Relative humidity	5 – 90 %, without condensation	

GENERAL DIMENSIONS (mm)

UW useful width	UH useful height	DL
600, 800, 1000, 1300	350	500
	500	
	700	700



AS: sensitive area



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CEIA reserves the right to make changes, at any moment and without notice, to the models (including programming), their accessories and options, to the prices and conditions of sale. DP014K0003v1000hUK - 117991 (2022)