



IMS101B

Single Frequency Eddy
Current Sorter



IMS101B is a single frequency, but versatile eddy current comparator that can be used to segregate metallic components and raw materials. This system is particularly well-suited for rigorous quality assessments of essential automotive parts.

FEATURES

- ✓ Sorts components into two categories, OK & NG.
- ✓ Indicator lamp and buzzer for OK/NG Parts
- ✓ Advanced Elliptical threshold.
- ✓ Automation support through PLC.
- ✓ Touchscreen display.
- ✓ Jog wheel for easy adjustment
- ✓ Intuitive operation concept
- ✓ Password protection.
- ✓ Screenshot capture on USB-memory-stick
- ✓ Built in OK & NG Parts Counter
- ✓ Compact & Lightweight
- ✓ OS Free, designed for Industrial Environments

SPECIFICATIONS

Sr.No	Type	Value
1.	Frequency	Single-variable frequency
2.	Frequency Range	100Hz to 100KHz
3.	Gain	0 db to 55db
4.	Phase	0 to 359 deg
5.	Digital I/O	4 X Isolated Digital Outputs 4 X isolated Digital Inputs
6.	Data Security	User level password protection
7.	Automation Support	PLC Interface via Digital I/O
8.	Communication Interface	Rs232
9.	Display	5 Inch IPS Display (800X480) with capacitive touch screen
10.	Operating Voltage	100V – 240 V AC, 47-63 Hz
11.	Power Consumption	30W
12.	Dimensions	300mmX320mmX160mm
13.	Threshold	Elliptical

APPLICATIONS

- Sorting parts based on surface hardness.



Hardness



Grade

- Sorting raw materials by grade.

- Sorting forgings according to raw material type or heat treatment conditions.



Forging

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