

Random Max

Random Search Selector



Non-discriminatory outcome for random screening applications.

On-the-fly adjustments to control traffic flow.

Hardware based – no software required.

Stand-alone operation or integration with existing access control system.

Various expansion options to customise your screening protocols.

For Sales Inquiries: info@doculam.co.za

+27 (0) 87 152 3333

Random Max

Random Search Selector

Areas of Deployment



Factories, Warehouses and Mines

- To prevent theft of materials or products – a part of loss prevention programs.
- To prevent employees bringing in contraband, tools, or hazardous items.
- Screening for intoxication (used in conjunction with Breathalyzer / drug testing kits).
- Randomly selecting batches of users for X-ray scanning.



School, Colleges & Universities

- Random locker or bag checks to deter weapons, drugs, or contraband.
- Helps enforce codes of conduct while maintaining transparency.
- Screening for intoxication (used in conjunction with Breathalyzer / Drug Testing).



Corporate Offices & Data Centres

- Random bag or laptop checks to protect intellectual property or sensitive data.
- Random ID / Badge checks in office environments to verify identities.



Retail Stores (Back-of-House)

- Random employee bag checks to deter internal shrinkage or theft.
- Typically conducted at shift end or exit points.



Logistics Hubs & Transport Terminals

- Random checks of cargo, driver vehicles, or outbound shipments.
- Used to prevent smuggling or unauthorized removal of inventory.



Military & Government Facilities

- To detect unauthorized devices, classified material, or restricted items.
- Ensures that only authorized materials enter or leave high-security zones.
- Random checks for PPE compliance, cleanliness, or foreign object contamination risks.
- Ensures hygiene and regulatory standards.



Airports, Border Control and Traffic

- Customs and security personnel use selectors to randomly inspect passengers and baggage.
- Screening for Drunk Driving / DUI (in conjunction with Breathalyzer / drug testing kits)



Food, Pharm and Clean Manufacturing Zones

- Random checks for PPE compliance, cleanliness, or foreign object contamination risks.
- Ensures hygiene and regulatory standards (e.g., FDA, ISO).

For Sales Inquiries: info@doculam.co.za

+27 (0) 87 152 3333

Random Max

Random Search Selector

Technical Specifications

Controller

Microprocessor Based

Modes of Operation

Pot-Luck Mode (Randomness adjustable from 0 - 100%)

Batch Mode (Adjustable to randomly stop (1 of 1) up to (1 of 100))

Display Type

2 x 16 Character LCD Display

6 x Onboard Control Pushbuttons

Start , Confirm, Override, Forced, Up and Down

Onboard Audio and Visuable Indicators

1 x Onboard Buzzer

1 x Onboard Red STOP Indicator

1 x Onboard Green PASS Indicator

Physical Dimensions of Enclosure

172mm (h) x 160mm (w) x 68mm (d)

Enclosure Protection

IP55 (dust-proof and splash-proof)

Power Requirements:

No External Sirens or Indicators connected: +12VDC / 1A

External Sirens and Indicators connected: +12VDC / 3A (minimum)

Circuit Protection

3A Fast-Blow Fuse (Power supply in)

1A Fast Blow Fuse (Auxillary power supply out)

Input Controls

All inputs are Normally-Open / Potentially-Free

4 x Relay Outputs

Output Trigger: Potential Free (Maximum 1A)

GREEN LED Output: +12V Output when activated (Maximum 1A)

RED LED Output: +12V Output when activated (Maximum 1A)

SIREN Output: +12V Output when activated (Maximum 1A)

Data Retention

All settings are stored onboard non-volatile memory.

Weight

850g

For Sales Inquiries: info@doculam.co.za

+27 (0) 87 152 3333