



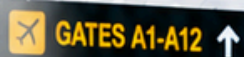
ENGINEERED FOR
SAFE & SECURE SCREENING

Si-2045Z

WALK-THROUGH

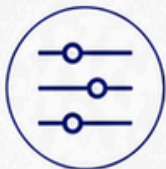
METAL DETECTOR

NEXT GENERATION



BI-DIRECTIONAL DETECTION

Scans individuals from both directions with built-in counter to monitor traffic effectively.



500 ADJUSTABLE SENSITIVITY LEVELS

Fine-tuned detection control to meet diverse security requirements.

45 Zone



IDEAL FOR



AIRPORTS



GOVERNMENT
BUILDINGS



DEFENSE
FACILITIES



EDUCATIONAL
INSTITUTIONS



EVENTS &
EXHIBITIONS



INDUSTRIAL
FACILITIES



INTERNATIONAL SECURITY STANDARDS
Meets the world's standard test
certifications, including CE (EMC, LVD),
ROSH, and FCC.



KOREAN TECHNOLOGY
Proudly engineered and
manufactured in Korea.



GLOBAL SUPPORT
Reliable after-sales support
wherever you are.



KOREAN TECHNOLOGY



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Si-2045Z

FEATURES & TECHNOLOGY

The Sigma Si-2045Z Walk-Through Metal Detector is a high-performance security screening solution designed to deliver accurate detection, operational reliability and superior safety.

Engineered with advanced technology and intelligent features, it ensures effective threat detection, minimizes false alarms and adapts seamlessly to dynamic environments—making it the ideal choice for modern security operations.



KEY FEATURES



PRECISION

Identifies both individual and multiple metal targets with accuracy, reducing false alarms.



ANTI-INTERFERENCE PERFORMANCE

Operates smoothly even in environments with electronic interference, ensuring consistent performance.



REAL-TIME ENVIRONMENTAL MONITORING

Adapts to changing environmental conditions, enhancing detection reliability in dynamic settings.



FULL-MODULE DESIGN

Simple, quick setup with its modular design for rapid deployment.



BI-DIRECTIONAL DETECTION AND COUNTER

Scans individuals from both directions with a built-in counter to monitor traffic effectively.



PASSWORD PROTECTION

Restricts access to authorized personnel, preventing unauthorized tampering.



CUSTOMIZABLE FEATURES

Offers a range of optional features for businesses to tailor security settings to their specific needs.



HARMLESS TO HUMANS

Safe for all individuals, including those with pacemakers or pregnant women, ensuring personal well-being.

TECHNICAL SPECIFICATIONS

 Sensitivity Level	500 grades (adjustable)	 Vertical Channel Size	2010 mm x 760 mm
 Distinct Sensitivity Level	1000 grades (adjustable)	 Vertical Dimension	2210 mm (H) x 880 mm (W) x 670 mm (D)
 Power Consumption	Less than 20 W	 Working Voltage	100 to 240 VAC, 50 to 60 Hz
 Security Detection Program	60 (built-in)	 Working Environment Temperature	-10°C to +45°C
 Pass through Rate	0.4 m/s to 1.2 m/s	 Packing Dimensions	2290 mm x 330 mm x 770 mm per carton
 Working Frequency Range	1 to 99 bands	 Net Weight / Gross Weight	55 kg / 68 kg

CERTIFICATIONS



RELIABILITY & CONSTRUCTION

- ✓ Heavy-duty aluminum support structure
- ✓ Attractive scratch-resistant laminate finish
- ✓ Automatic self-diagnostic system
- ✓ Weather-resistant construction
- ✓ Dual-level tamper protection
- ✓ Two-year limited warranty



SIGMA
WALK-THROUGH METAL DETECTOR

ENGINEERED FOR
SAFE & SECURE SCREENING

Si-2045Z

APPLICATIONS, CERTIFICATIONS & SUPPORT

The Sigma Si-2045Z Walk-Through Metal Detector is designed for high-accuracy detection with advanced technology, offering reliable performance, user safety, and easy deployment. Built with 45 detection zones and intelligent features, it ensures effective security screening in any environment.

**45
ZONE**



IDEAL FOR



AIRPORTS

Reliable passenger screening for secure and efficient operations.



GOVERNMENT BUILDINGS

Enhances access control and ensures safety of staff and visitors.



DEFENSE FACILITIES

Provides advanced threat detection for high-security environments.



EDUCATIONAL INSTITUTIONS

Ensures a safe campus environment for students, faculty and staff.



EVENTS & EXHIBITIONS

Efficient screening for large crowds at public events and exhibitions.



INDUSTRIAL FACILITIES

Strengthens security in workplaces and high-risk industrial locations.

CERTIFIED FOR GLOBAL DEPLOYMENT



CE CERTIFIED

Complies with European EMC and LVD safety standards.



FCC COMPLIANT

Meets international electromagnetic emission requirements.



RoHS COMPLIANT

Environmentally responsible manufacturing standards.



IP43 PROTECTION

Protected against foreign objects >1.0 mm and vertical water droplets.

SAFE FOR EVERYONE



Cardiac Pacemaker Wearers



Pregnant Women



Magnetic Storage Media



High Volume Pedestrian Traffic



The Si-2045Z is designed to be completely safe for all individuals and everyday items, ensuring worry-free security screening in any environment.

BUILT FOR RELIABILITY. BACKED BY SUPPORT.



KOREAN TECHNOLOGY

Proudly engineered and manufactured in Korea using advanced security screening technology.



PROFESSIONAL SUPPORT

Dedicated technical support team providing reliable assistance whenever you need it.



QUALITY ASSURANCE

Rigorous quality control and testing ensure long-lasting performance and durability.



WARRANTY

Two-year limited warranty on parts and labor for complete peace of mind.

OPTIONAL ACCESSORIES



REMOTE CONTROL

Easy operation and setting adjustments from a distance.



BATTERY BACKUP

Optional 6-10 hour backup for uninterrupted operation.



ACCURATE DETECTION

Detects both individual and multiple metal targets with high accuracy.



HIGH PERFORMANCE

Stable operation with high immunity to environmental noise and interference.



EASY OPERATION

User-friendly interface for quick setup and simple operation.



ROBUST DESIGN

Strong, durable and reliable for continuous heavy-duty use.



KOREAN TECHNOLOGY



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