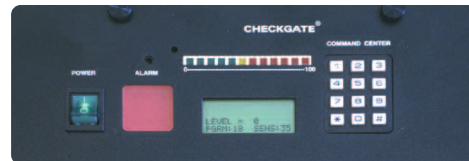


# AUTOCLEAR CheckGate® 8091

Specialized Metal Detector Portal



CheckGate®: Easier to view and operate. Large, color-coded LED's and 64-character backlit LCD.

## Features and Benefits

- ➔ **Excels in ultra-high security applications**
- ➔ **1/8" thick (3mm) heavy duty aluminum panels reject outside metal interference - even automatic doors**
- ➔ **Uniform detection top to bottom**
- ➔ **Auto-calibrating, easy to start and operate**
- ➔ **Detects razor blades, shards, microprocessor chips, and gold rings**
- ➔ **Operator friendly, yet secure**
- ➔ **Highly immune to RFI/EMI interference from monitors or facility systems**
- ➔ **CE compliant, medically safe. Engineered, critically built and tested in America according to the highest ISO 9001 and regulatory standards**

## Ultra Sensitive and Precious Metal Detector

Correctional • Power Plants • Jewelry Anti-theft  
Prisons • Jails • Heavy Duty Applications

*70 years leading innovation in checkpoint detection & support*

AUTOCLEAR

[autoclearus.com](http://autoclearus.com)

Scintrex® • CheckGate® • Dynavision® • Control Screening® • Federal Labs®  
U.S. Canada France UK UAE Japan Latin America Singapore Spain

# CheckGate® 8091 technical specifications

CheckGate® 8091 is a superior ultra-sensitive and precious metal detection system. Designed for high sensitivity correctional and anti-theft applications, the 8091 excels in controlled security applications. Eighth-inch thick aluminum sides with powder coated finish shield out moving metal doors or objects on guards. Extraordinary noise reduction and extra discrimination of all metals.

## Standard Features

- Detects a U.S. Quarter or razor blade.
- Bargraph meter indicates each individuals metallic content and background noise.
- An individual's peak metal detection reading is momentarily displayed after each search. A numerical value between 1-100 is shown on a backlighted LCD.
- Alpha/numeric display on the control console gives word prompts for changes in sensitivity, program, volume, tone and diagnostics.
- Radio frequency interference rejection from 25 to 1000 MHz
- DSP circuits eliminate transient hum noise spikes, color TV monitors, audio frequency, and fluorescent light interference.
- Bidirectional operation.
- 12 Positioned LED alarm indicators, tone controlled audio alarm.
- LCD display alarms, diagnostic functions and operational menus.
- 50 Standard programs (capacity 100).
- Sensitivity range 0 to 99.
- Remote relay outputs.
- Electronic synchronization between units is automatic, with 4 audio tone selection.
- One year warranty on all parts and labor — extended warranty available.

## Performance Standards

Meets and exceeds NIJ standard 0601 level 1-5, ICAO, FCC and F.A.A. Airport Security Regulations.

## Electronics

Microprocessor computer controlled circuitry with 12 digit keypad entry control, LCD display, tricolor LED bargraph meter & audio/visual alarm.

## Archway

The 8091 is made of 3 piece unihousing construction which consists of:

- Console mounted on a solid metal connecting plate.
- Both sides and top are shielded with solid metal.
- A.C. power feed connects to top or bottom.
- Standard Color: Grey

The built-in 1/8" thick aluminum shields greatly reduce moving metal interference. The triple shield reduces interference and maximizes sensitivity.

## Power

Industrial grade power supply  
90-265 VAC (< 1amp), 50-60 Hz +/- 3 Hz

## Environmental Conditions

Temperature: -10°C to 55°C  
Humidity: 0-95%, non-condensing

## Dimensions & Weight

### Standard Configuration (Model 8091)

Overall Arch Assembly	44"W x 82.75"H x 24"D (111.8cm x 221cm x 61cm)
Electronic Console	19.5"W x 5.75"H x 16.5"D (49.5cm x 14.6cm x 41.9cm)
Passageway Clearance	24"W x 81"H (61cm x 205.7cm)
Floor Space Required	7.5 Square Feet
Net Weight	200 lbs. (91 kg)

## Options

- Remote Command Center or alarm
- Floor Anchor Kit
- Custom Widths
- Custom Color Finishes
- Award-Winning HandWand®
- Built-in Power Conditioner
- Battery Backup
- CE Marking
- Person Counter
- Matching Key Side Table



HandWand®

**New, matching Key Table and award winning HandWand® available**

[www.autoclearus.com](http://www.autoclearus.com)

## World Headquarters Plant

2 Gardner Road  
Fairfield, NJ 07004-2206 USA  
Tel: + 1 (973) 276-6161  
Fax: + 1 (973) 276-6162  
leads@autoclearus.com

## Central EU

eu@autoclearus.com  
Tel: + 33 2 38 61 97 00  
Fax: + 33 2 38 61 97 01

## Southern EU

seu@autoclearus.com  
Tel/Fax: + 34 91 650 89 86

## Northern EU

neu@autoclearus.com

## Canada & Scintrex

info@scintrextrace.com  
300 Parkdale Ave., Ottawa  
Ontario, Canada K1Y 1G2  
Tel: + 1 (613) 224-1061  
Fax: + 1 (613) 224-2603

## Asia Southeast & North

sasia@autoclearus.com  
nasia@autoclearus.com

## Latin America

latina@autoclearus.com  
Dom. Republic

## Middle East

ME@autoclearus.com  
Dubai, UAE  
Tel: + 971 6 557 4505  
Fax: + 971 6 557 4507

## Western U.S.

nw@autoclearus.com  
sw@autoclearus.com

## Distributor:

ISO 9001-2000 Certified

[www.autoclearus.com](http://www.autoclearus.com)  
[www.tracedetection.com](http://www.tracedetection.com) [www.fed-labs.com](http://www.fed-labs.com)

70 years of leadership in advanced checkpoint detection and support

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