

MacKay GUARDIAN™ Multi Elite



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Key features:

- Supports Pay-by-Plate, Pay-by-Space or Pay and Display configurations.
- Solar or AC power configurations.
- High strength stainless steel keeps it secure and rust free.
- High-security, large capacity, stainless steel cash box.
- Flexible, modular design that is easy to upgrade, service and maintain.
- Large LCD color display screen.
- Powerful off-site monitoring capabilities by adding a communications kit and Sentinel™ Meter Management System with mkAnalytics™. Monitor your equipment remotely, generate reports, and receive alerts, no matter where you are.
- Comprehensive and easy-to-use configuration menus.
- ADA Compliant.
- Features a color VGA Liquid Crystal Display, capable of displaying graphics.
- English? Español? Français? The multi-language capability allows users to select the language of their choice to carry out transactions.
- Optional Credit Card payment. Offer end users security, convenience, and reject fraudulent payment. Use MacKay's On-line Real-time Credit Card Approval feature utilizing secure PCI compliant electronic payment processes.
- Optional contactless/ Near Field Communications (NFC) payment module for the latest in payment technology support.

<over for specifications>

www.mackaymeters.com

SPECIFICATIONS

General Specifications

Environmental

- Operating temperature range¹: -20°C (-4°F) to +50°C (+122°F)
- Humidity: Up to 95% RH (non condensing)

Cabinet Materials, Dimensions & Weight

- Welded reinforced Grade 304-2B stainless steel (9 gauge carbon steel equivalence)² for cabinet and doors
- Aluminium front with Lexan® display covers for the LCD screens, rate/instruction plate, LED panel and site branding display
- Total installed weight (Solar, 40Ahr battery): 111 kg (244 lbs.)
- Overall dimensions: 1524mm (60 inches) (H) x 343mm (13.5 inches) (W) x 295mm (11.6 inches) (D)
- Overall height with solar panel: 2045mm (80.5 inches)

Power Supply Configurations/Options

- AC Single Phase, 110/120 VAC, 50/60 Hz
- Solar powered (10 W integrated or 20W mast panel) with 40Ahr or 60Ahr battery

Communication Options

- Cellular wireless technology supporting GPRS or CDMA modem

Payment Systems

- Coins
- Tokens (optional)
- Credit cards utilizing secure, on-line real-time PCI compliant processes (optional)
- MacKay Smart (Chip) Cards (optional)
- Contactless (NFC) card reader (optional)
- Cell phone payment (optional)

Ticket Printing

- Thermal printer offers alphanumeric printing in various fonts and languages



Components

Display

- High contrast, color, sunlight readable, 320 x 240 pixels graphics LCD
- Viewing area 114mm (4.5 inches) x 89mm (3.5 inches)

Coin Acceptor

- Programmable: Accepts up to 16 coins or tokens
- 3-coil design provides accurate coin reads and long life
- Straight drop coin chute allows for superior detection and removal of foreign objects
- Escrow and coin return holds up to 50 quarters

Card Reader (Optional)

- Single slot, dual mode card reader captures magnetic stripe (ISO 7810/11) credit card data, and provides an ISO 7816 interface for smart card acceptance
- EMV upgradeable

Keypads

- Alphanumeric keypad for Pay by Plate/Space
- Smaller keypad for selecting options on LCD screen
- Both are vandal resistant and rated for resistance to impact, shock and vibration to MIL standards
- Sealed against ingress of water and dust to IP67, and designed for exposed outdoor and extreme environmental conditions

Printer

- Heavy-duty printer head with minimal moving parts ensuring quality, reliability and endurance
- Print life of over 20 million character lines
- Designed for high-resolution printing
- Guillotine type cutter with full or partial paper cutting options (software selectable)
- Accessible for ease of maintenance

Cash Box

- Two (2) supplied with each machine, each with a convenient carry handle
- Rugged, secure, high-capacity 4.2 litres (1.1 US gallon), stainless steel container
- Self-locking lid on removal, and includes a high security lock/key (unique key codes available upon request)
- Printed audit record produced when cash box is removed from machine

Features

Security

- High security locks for cash box, cash vault, and main door
- Seven (7) point locking mechanism on vault door
- System monitored access sensors on main and vault doors and sensor detecting presence of cash box

Maintenance

- User-friendly graphic interface tools for diagnostics, configuration and editing
- Easy access modular design

Web-Based Hosted Sentinel™ Meter Management System (Optional)

- Remotely monitor and generate audit, transaction and occupancy reports for all on-street equipment using a web browser and secure web portal
- Generates a variety of reports including grand totals and subtotals for coins, bills and card transactions per type, which can be exported as PDF or CSV files, or imported into other applications

MacKay Guardian™ Multi Elite Options

- Customizable front graphics for main door
- Electronic Lock (vault and maintenance door)
- Keypad feedback buzzer (optionally turned off)
- 20 W Solar panel with 4 direction mast

Warranty

J.J. MacKay Canada Limited, the manufacturer, guarantees for a period of one year from the date of shipment against defects in workmanship and /or materials.

As our policy is one of continuous product improvement and development, we reserve the right to alter product specification and design.

Photos are representative; product appearance may differ.



[1] All MacKay Guardian™ Elite components are operational within this range. Standard sealed lead acid battery operational temperature rating is from -20C (-4F) to +50C (122F) when charging, and from -30C (-4F) to 60C (140F) when discharging.

[2] Independent laboratory tests indicate that all things being equal, a component made of 11-gauge 304-2B stainless steel, would have equal or greater tensile strength, shear strength and malleability, as compared to the same component made out of 9-gauge carbon steel.

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