

TICKET ISSUING MACHINE TIM-21

Product Specification



Magnetic Stripe Ticket Issuing Machine for machine readable revenue control systems. The unit dispenses magnetically encoded tickets and can read long term pass cards as well. The unit can work autonomously or in and on-line mode connected to a central computer. Anti-passback, illegal backout and barrier gate status monitoring are all possible through the units on board electronics. If there are no tickets in the magazine, the ticket machine goes off line, but cards for long term parkers will still be accepted. All activity can be communicated to a central computer.

A. HOUSING

The base shall be weatherproof and constructed of heavy gauge steel not less than #14 gauge. All seams and joints shall be electric bead welds. No spot welds shall be acceptable for base construction.

The base of the housing shall be provided with risers which shall keep the floor of the base off the mounting surface in order to provide air circulation beneath the housing, thereby drying water or dampness which could cause rust. This feature shall be provided to lengthen the life of the housing. Access to the inside of the base shall be provided by 2 flush, full length key locked doors. One door shall access the ticket magazine, one door shall access the controller.

The finish shall be two coats of baked enamel finish applied over a suitable primer.

The ticket magazine shall be removable in order to speed restocking of tickets. The capacity of the magazine shall be a minimum of 5000 fan-folded tickets. The magazine shall be capable of holding tickets from 2" to 3" in width.

The housing shall contain 2 separately locked compartments; the bottom (base) compartment containing the tickets and ticket issuing machine controller and the top compartment containing the issuing mechanism.

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The hood or top section of the housing shall be hinged for easy access to the mechanism and electrical connections.

B. TICKET ISSUING MECHANISM

The mechanism shall be one complete assembly providing all printing and encoding capabilities. The encoding method shall be magnetic stripe on ISO track 2.

To prevent rust and corrosion, all mechanism components shall be plated. All mounting bolts, hardware, etc., shall also be plated.

The mechanism shall be capable of encoding and issuing a standard credit card size ticket (2 1/8" x 3 3/8") at a rate of 30 per minute. Tickets shall be cut off before being issued. No portion of the ticket shall be in a position permitting handling before it is cut off completely.

A sensor in the throat of the mechanism shall prohibit issuing of any additional tickets as long as a ticket remains in the throat of the machine. The machine shall be programmable to void and eject any tickets left in the throat of the machine thus preventing use of fraudulent tickets.

The current time, date and lane number of the ticket machine shall be printed on the ticket in man readable form at the time it is issued. This information shall also be encoded onto the magnetic stripe. Additional printing (custom messages) shall be available.

C. TICKET ISSUING CONTROLLER

All control logic shall be contained in one easily removable circuit board. All field wiring to the controller shall be made on easily accessible screw terminals. All controllers shall be identical and completely interchangeable with any other controller.

A 32 character backlit LCD display on the face of the mechanism shall display the current time and date. When a ticket is issued, the LCD shall display the message: "PLEASE TAKE TICKET". Custom messages shall be available upon request.

Time, date and operating parameters shall be programmed via a standard PC keyboard. The keyboard shall plug directly into the controller board. The controller shall contain a battery backup in case of power failure and maintain all programming for a minimum of 72 hours.

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The controller shall contain inputs and outputs for connection and control of peripheral equipment. The following inputs shall be provided:

- * Loop occupied (arming)
- * Issue ticket
- * Gate position (up or down)
- * Low ticket sensor
- * Inhibit (stops issuing of tickets in a lot full condition)

The following outputs shall be provided:

- * Raise gate
- * Lower gate
- * Out of service (ticket jam or low tickets)

The ticket machine shall be capable of accepting validated tickets at an exit in a time-lag or central cashiering system as well as long term (monthly) pass cards through the same slot.

D. COMMUNICATION TO HOST COMPUTER

Optionally, the Ticket Issuing Controller shall be able to communicate via RS-485 with a host system. The host system shall be capable of monitoring the status of the ticket machine, remote programming and control, and setting the time and date.

E. TECHNICAL DATA

Ticket	2 1/8" x 3 3/8" (credit card size)
Encoding	magnetic stripe encoding ISO track 2, Oe 200
Printing Method	Dot matrix, 5 x 7 dot pattern
Mechanical	48" H X 12" W X 21" D (1218mm X 305mm X 567mm)
Weight	110 lbs. (50 Kg)
Power	110-240VAC, 50/60Hz, 3Amps
Environmental	Operating temperature: 5 deg. F to 105 deg. F (-15 deg. C to 40 deg. C)

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Ticket Issuing Machine Housing Dimensions:

