

SPECIFICATIONS FOR BOON EDAM TOMSED MODEL TUT-65TMB

PRODUCT DESCRIPTION: BOON EDAM TOMSED MODEL TUT-65TMB

STAINLESS STEEL BARCODE SCANNING ELECTRONIC REGISTERING TURNSTILE

SCOPE OF OPERATION:

- A.** The TUT-65TMB combines the functions of a heavy duty, battery powered, electronic, stainless steel counting turnstile with the ability to scan, collect and store tickets into one unit. Primarily intended for stadiums and arenas, the TUT-65TMB improves productivity and allows installation of a Ticketmaster, or similar technology, ticketing system directly into the turnstile. The TUT-65TMB is intended for nonpermanent applications where the turnstile is moved into position during the event and removed at the conclusion. Due to the portable nature of the equipment, the turnstile is designed to operate with a wireless ticketing system.
- B.** The TUT-65TMB consists of an operating mechanism, stainless steel cabinet, low voltage control electronics, ticket scanning compartment, display enclosure, Ticketmaster electronics mounting area, ticket collection and storage compartment, Ticketmaster reset button bracket, platform, railing and wheels for portability, enclosed battery compartment, battery recharge connector mounting preparation and hub and arm assembly.
- C.** The design of the turnstile is such that the Ticketmaster system can easily be added at a later date, with minimum modifications to the

original turnstile. The initial installation can be as a simple mechanical turnstile which provides free-wheeling, counting, entry operation. Upon adding the ticketing system, along with electrical power through a 12 VDC battery, the turnstile locks and allows one entry cycle per valid ticket.

- D. Overall cabinet dimensions are approximately 40" high, 7" wide, 31" long. The platform and railing increase the overall width to 25". Custom sizes are available as required.

MATERIALS:

All materials meet the ASTM standards as set forth by the materials industry.

- A. The operating mechanism consists of precision machined, interchangeable parts made out of high quality steel materials. No cast iron parts are used due to softness and excessive wear characteristics. All locking components are hardened to ensure long life and reliable service. Self-centering mechanism automatically returns arms to the basic position regardless of force used to pass through the turnstile. The rotation of the mechanism is cushioned by an aircraft quality hydraulic shock absorber.
- B. The modular mechanism design mounts to a 3/8" thick steel plate, allowing rapid, easy maintenance.
- C. The cabinet is constructed from 14 ga. type 304 stainless steel with heavy duty top cover. The battery compartment is constructed from 14

ga. stainless steel and provides sufficient space to comfortably access or replace the battery.

- D.** The hub is made from machined aluminum, 5" in diameter, with openings for three arms 120 degrees apart. The hub is clear anodized to protect against oxidation and discoloring.
- E.** Arms are fabricated from 1-1/4" dia., 16 ga. stainless steel tubing, type 304. Ends are spun closed, ground and polished smooth. No plastic caps are used.
- F.** Platforms are fabricated from 3/8" flat sheet with a 1/8" thick, non-skid diamond plate welded to the traffic areas. A 1 1/2" stainless steel guide railing is included to guide patron traffic flow.
- G.** Two 3" or 5" diameter, hard rubber wheels are used to facilitate turnstile movement.
- H.** A mechanical register is included to provide entry counts.

FABRICATION:

- A.** The operating mechanism consists of hardened locking assembly and interchangeable precision fabricated parts using high quality steel materials.
- B.** The ratchet is made of machined, high quality steel, not soft cast iron or several thin laminated ratchets as other manufacturers.
- C.** Self-centering, sealed, maintenance free main bearing supports shaft and ratchet assembly.

- D.** The operating mechanism contains one mechanical counter which registers each and every rotation of the turnstile.
- E.** Stainless steel cabinet has octagonal rounded front and rear faces with a gradually sloped cover in order to prevent injuries. There are no exposed fasteners or bolts to catch on clothing or other objects.
- F.** Turnstile cabinet includes a locked ticket collection compartment integral to construction. Ticket drop slot in top cover allows ticket collection and storage directly inside turnstile cabinet. A container is included to hold tickets.
- G.** A 12 VDC electronic control system is included to provide normally locked, one entry per valid admission operation.
- H.** If the ticketing system is to be added immediately, we offer an optional display and indicator light compartment, entry rotation detection switch, recharge jack and reset button as Ticketmaster integration aids. Also included in the electronic ticketing system upgrade package is the actual internal installation of the ticketing equipment.
- I.** The mechanism is designed to allow either mechanical or electrical entry operation while always permitting free exit. An exit cycle will not cancel out an entry cycle nor affect the entry counter under any circumstances.
- J.** The platform is fabricated by welding a 1/8" thick diamond plate to a 3/8" thick steel plate. The turnstile mounting holes are drilled and tapped into the platform, thereby allowing portable use. Two bushings

are welded onto the diamond plate, opposite the turnstile, as fittings for the stainless steel guide railing. Two set screws anchor the railing into the bushings.

- K.** The 3" or 5" rubber wheels are fastened to the back of the turnstile cabinet and allow movement by tilting the turnstile back and rolling to a new position. A handle is included on the back of the turnstile to allow easy tilting and rolling.

FINISHES:

- A.** All fabricated components of the operating mechanism are yellow cadmium plated to ensure long life and prevent oxidation and discoloring.
- B.** All stainless steel items are polished to a #4B finish.
- C.** The platform is powder coated black.

OTHER AVAILABLE OPTIONS:

- Extended arms and platforms for larger aisle-way
- Resettable Counter (standard is non-resettable)
- Rotation detection switch for exit cycles
- Protective foam arm pads
- Color of choice
- Weather resistant cover for turnstile
- Display housing, RF antenna concealment block and indicator light installation
- Mounting and installation of ticketing system electronics