ATS-1 Automated Truck Scale System

Applications

- Unattended gross vehicle weight
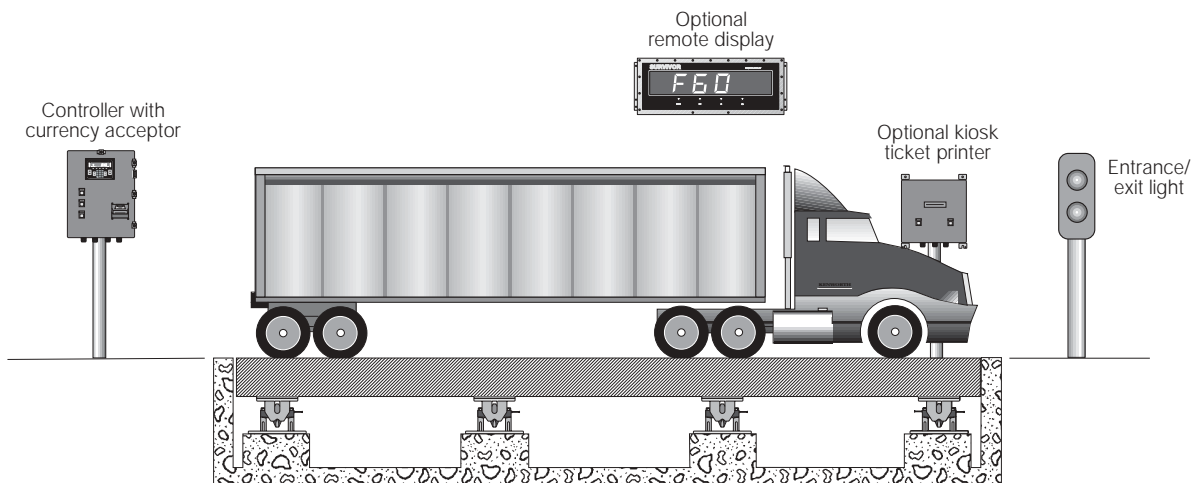- Truck stops

Standard Features

- Operator prompting
- Formattable tickets that print at the end of a transaction
- Traffic light control
- Transmits weight to remote display (only when activated)
- 115 VAC
- Currency acceptor (US currency only)

Options/Accessories

43598 ...... SURVIVOR® IQ F15, 1.5" flip digit remote display, 115/230 VAC w/annunciator
40879 ...... SURVIVOR® IQ F40, 4.0" flip digit remote display, 115/230 VAC w/annunciator
40880 ...... SURVIVOR® IQ F60, 6.0" flip digit remote display, 115/230 VAC w/annunciator
70707 ...... SURVIVOR® IQ F15, 1.5" flip digit remote display, 115/230 VAC
70706 ...... SURVIVOR® IQ F15, 1.5" flip digit remote display, 115/230 VAC
70705 ...... SURVIVOR® IQ F15, 1.5" flip digit remote display, 115/230 VAC
36966 ...... Internal heater
21159 ...... Internal transient protection
23146 ...... Traffic light
49567 ...... Kiosk tape printer with weather shield
Consult factory for these additional options:
- Stainless steel enclosure
- RF tags/antenna for truck IDs
- Bar code badge scanner
- 230 VAC
- Weather shroud
- Foreign currency acceptor

DESCRIPTION

ATS-1 Automated Truck Scale System

The ATS-1 automated truck scale system allows for unattended outdoor truck scale terminal operation. The system features a Rice Lake NEMA 4 mild steel outdoor control station equipped with an IQ plus 810 weight indicator. Easy to set up, the ATS-1 provides formattable tickets and several options for gross vehicle weighing activation. The optional painted mild steel weather shroud protects the terminal from the elements.

Optional remote display

Controller with currency acceptor

Optional kiosk ticket printer

Entrance/exit light

RICE LAKE WEIGHING SYSTEMS
Industrial Solutions on a Global Scale®

ISO 9001 REGISTERED

LOAD CELL EXCITATION:
10 ± 0.5 VDC, 32 x 350W load cells

LOAD CURRENT:
115 mA maximum (8 350W load cells)

INTERCONNECTION CABLE REQUIREMENTS:
6-wire selective (jumpers required on sense leads for 4-wire)

ANALOG SIGNAL INPUT RANGE:
0.6 mV/V - 3.9 mV/V

ANALOG SIGNAL SENSITIVITY:
0.3 microvolts/graduation minimum
Legal-for-trade recommended minimum 1 microvolt/graduation

INPUT OVERLOAD:
±12V continuous, static discharge protected

CONVERSION RATE AT FULL SCALE:
20/second, typical

RESOLUTION:
Selectable up to 999,000,000 displayed graduations
740,000 graduations internal

DISPLAY INCREMENTS:
1, 2, 5

UNDERRANGE BLANKING:
-2 mV signal nominal

OVER/UNDER CAPACITY ANNUNCIATION:
Overload displayed as: ‾‾‾
Underload displayed as: ___

LEAD ZERO BLANKING:
Standard, per NIST H-44 requirements

DISPLAY:
9.0mm 4-line x 20-character alphanumeric blue/green VFD

POLARITY INDICATION:
" – " sign

DECIMAL POINTS:
8888888, 888888.8, 88888.88, 8888.888, 888.8888,
88.88888, 8.888888, 8888800, 8888880

LB/KG SWITCHING:
Front-panel push button

FRONT-PANEL KEYPAD:
Mylar with stainless steel dome switches

FRONT-PANEL ANNUNCIATORS:
Motion, Center of Zero, Units

SERIAL OUTPUT:
"Remote Display" port, simplex RS-232

RELAY INPUTS:
3 inputs

RELAY OUTPUTS:
16 outputs

AZM APERTURE:
±1.9% of selected full scale capacity or 100%, internal selectable

DIGITAL FILTERING:
Rattletrap

MOTION BAND:
1, 2, 3, 5, 10, 20, off

MOTION TIME SENSITIVITY:
Fixed at 1 second

POWER:
Line voltages: 115 VAC +10%/-15%, 230 VAC +10%-15%
Frequency: 50 or 60 Hz
Indicator Fusing: .1A TR5 Fastact fuse

DISPLAY CHECK:
All digit segments and annunciators simultaneously illuminated upon application of power

OPERATING TEMPERATURE:
14°F to 104°F (-10°C to 40°C)
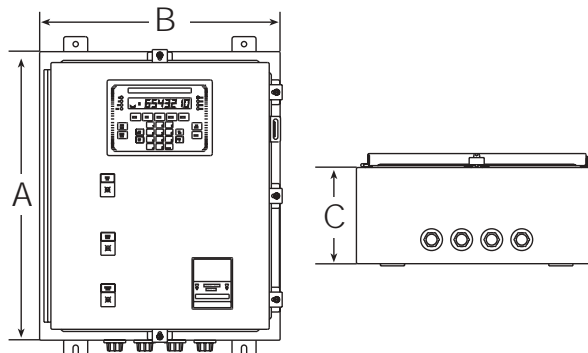
PACKAGING:
Enclosure: NEMA 4 painted mild steel
Weight: Approximately 40 lb (18 kg)

APPROVALS:
NTEP certified Class III/IIIL, CC# 98-158

WARRANTY:
One year limited warranty

INDICATOR BOX DIMENSIONS
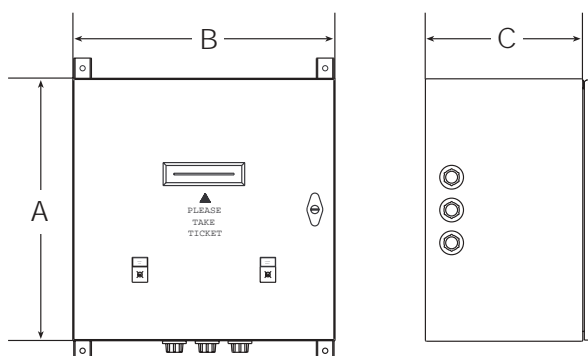
A = 20.00" (508mm) C = 8.00" (203mm)
B = 16.00" (406mm)

PRINTER BOX DIMENSIONS

A = 20.00" (508mm) C = 12.00" (mm)
B = 18.50" (mm)