ATS-2 Automated Truck Scale System

WITH **TRANSACT®**
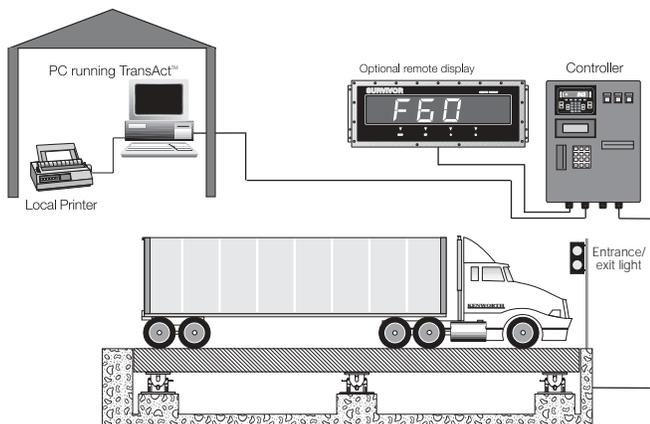
ULTIMATE DATA MANAGEMENT

PART #   DESCRIPTION

44015 .... ATS-2 Automated Truck Scale System, 115 VAC

44014 .... ATS-2 Plus Automated Truck Scale System, 115 VAC

From the platform, to the invoice, to account management, the ATS-2 automated truck scale system is the ultimate solution for your unattended outdoor truck scale needs. A Pentium® PC and our TransAct™ data management software make setting up the operation a snap, and the 40-column internal kiosk printer provides driver tickets. The ATS-2 system also includes an IQ plus® 810 digital indicator for accurate weighments, controls for traffic lights, a tough vandal-proof numeric keypad for data entry, an industrial bar code badge scanner, and an easy-to-read 4 x 20 VFD display for operator prompting.

PC running TransAct™

Local Printer

Optional remote display

Controller

Entrance/ exit light

Pentium is a registered trademark of Intel Corporation

Applications

- Automated inbound/outbound scale terminals
- Unattended vehicle management

Standard Features

- TransAct™ PC software
- Current production PC
- Okidata 320 Turbo printer with parallel cable
- ATS-2 controller:
  - Large, bright, easy-to-read 4 x 20 digit Vacuum Fluorescent Display (VFD) for operator prompting
  - Vandal-proof cast aluminum numeric keypad
  - Bar code badge scanner
  - System and printer status lights
  - Kiosk tape printer with weather shield
- Traffic light kit (one red/green light)
- 50 pre-printed security badges

ATS-2 Plus:
- Same features as ATS-2, with TransAct Plus full accounting package PC software

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

43898 ...... TransAct Version 3.1.14A (ATS-2 compatible)

43899 ...... TransAct Plus Version 3.1.14A (ATS-2 compatible)

36966 ...... Internal heater for controller

21159 ...... Internal transient protection for controller

23146 ...... Additional traffic light kit, 115 VAC

48397 ...... Additional operation manual

Consult factory for these additional options:
- UPS power supply
- RF transmitter for PC connection
- RF tags/antenna for truck IDs
- RF transmitter for remote displays
- Currency acceptors
- Stainless steel controller enclosure
- Loop detectors
- Satellite controller for control at both ends of the scale
- Multiple deck truck scale control
- 230 VAC

(Specifications on back)

RICE LAKE WEIGHING SYSTEMS
Industrial Solutions on a Global Scale®

ISO 9001 REGISTERED

EPD-6

Controller Specifications:

LOAD CELL EXCITATION:
10 ± 0.5 VDC, 16 x 350Ω load cells (on up to 4 channels)

LOAD CURRENT:
460 mA maximum (16 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 (standard resolution)
10/second, typical (high resolution)

RESOLUTION:
Selectable up to 100,000 displayed graduations
Selectable up to 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

DISPLAYS:
Large .55" (14.0mm) 7-digit, 14-segment blue/green VFD
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 ANNUNCIATORS:
Paper low, Printer Error, System Error, lb/kg, motion center of zero

SERIAL OUTPUT:
"Remote Display" port, simplex RS-232 and 20 mA current loop

INPUTS (2):
Inbound photoeye/loop detector
Outbound photoeye/loop detector

OUTPUTS (4):
Inbound red/green lights
Outbound red/green lights

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

ANALOG FILTERING:
Software selectable: 2, 8 Hz typical/3 pole, off (25 Hz)

DIGITAL FILTERING:
Standard range software selectable: 1, 2, 4, 8, 16, 32, 64, 128
RATTLETRAP® high vibration control: 4, 8, 16, 32, 64, 128

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

MOTION TIME SENSITIVITY:
Fixed at 1 second

POWER:
Line voltages: 115 VAC +10%/-15%
Frequency: 50 or 60 Hz
Fusing: 5A circuit breaker

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

OPERATING TEMPERATURE:
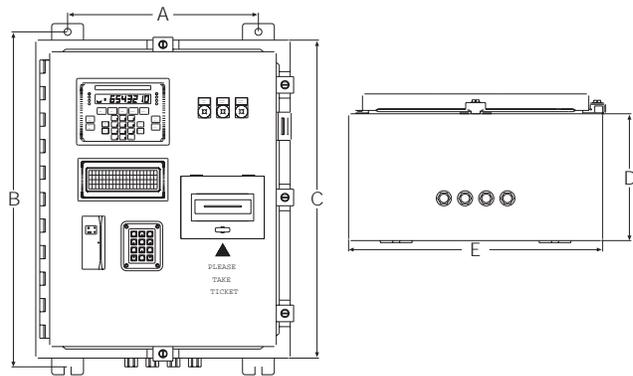14°F to 104°F (-10°C to 40°C)

PACKAGING:
Enclosure: NEMA 4 painted mild steel
Weight: Approximately 100 lb (45.3 kg)

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

WARRANTY:
One year limited warranty

DIMENSIONS

A = 18.00" (457.2mm)	D = 12.00" (304.8mm)
B = 31.60" (802.64mm)	E = 24.00" (609.6mm)
C = 30.00" (762mm)	

PC Specifications (minimum):

PROCESSOR:
Intel 166 mHZ Pentium with MMX technology

MEMORY:
32 MB SDRAM

HARD DRIVE:
2 GB 11mS Ultra ATA

CD ROM:
12x min, 24x max

MONITOR:
15" (13.9" viewable)

GRAPHICS ADAPTER:
2 MB 3-D 64-bit PCI

PC PACKAGE CONTAINS:
Desktop case, 104 + keyboard, MS Mouse, Windows™ 95 and MSOffice (Small Business Edition)

WARRANTY:
PC warranty is through PC manufacturer

Windows is a trademark of Microsoft Corporation