

ATS-1 Automated Truck Scale System



Shown with optional features

APPROVALS



SPECIFICATIONS

Line Voltages:

115 or 230V AC

Frequency:

50 or 60 Hz

Power Consumption:

340 mA, maximum @ 115V AC (26W)
240 mA @ 230/2011V AC (26W)

Fusing:

115V AC: 2 x 400 mA TR5 subminiature fuses Wickman Time-Lag 19374 Series. UL Listed, CSA certified and approved
230V AC/North American: 2 x 315 mA TR5 subminiature fuses Wickman Time-Lag 19372 Series. UL Listed, Semco and VD Approved

Excitation Voltage:

10 ± 0.5VDC, 16 x 350 Ω or 32 x 700 Ω load cells per A/D card

Sense Amplifier:

Differential amplifier with 4 and 6 wire sensing

Analog Signal Input Range:

-10 mV to +70 mV

Analog Signal Sensitivity:

0.3 μV/graduation minimum @ 7.5 Hz
1.0 μV/graduation typical @ 120 Hz
4.0 μV/graduation typical @ 960 Hz

A/D Sample Rate:

7.5 to 960 Hz, software selectable

Input Impedance:

>35 MΩ typical

Internal Resolution:

8 million counts/8 million 23 bit

Weight Display Resolution:

9,999,999

Input Sensitivity:

10 nV per internal count

System Linearity:

±0.01% full scale

Zero Stability:

±150 nV/°C, maximum

Span Stability:

±3.5 ppm/°C, maximum

Calibration Method:

Software, contents stored in flash memory

Input Voltage Differential:

±800 mV referenced to earth ground

Input Overload:

Load cell signal lines ±10V continuous, ESD protected

RFI/EMI Protection:

Signal, excitation and sense lines protected

Microcomputer:

Motorola ColdFire® MCF5307 main processor

@ 90 MHz

Digital I/O:

Four I/O channels on CPU board; optional 24-channel I/O expansion boards available

Digital Filter:

Software selectable: 1–256, enhanced RATTLETRAP® hybrid digital filtering

Serial Ports:

Four ports on CPU board support up to 115,200 bps; optional dual-channel serial expansion boards available
Port 1: Full duplex RS-232
Port 2: RS-232 with CTS/RTS; PS/2 keyboard interface via DB-9 connector
Port 3: Full duplex RS-232, 20 mA output
Port 4: Full duplex RS-232, 2-wire RS-485, 20 mA output

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)

OPTIONAL FEATURES

- RFID reader
- Credit card reader
- Qwerty keyboard
- Internal heater
- Currency acceptor (U.S. currency only)
- Gate control
- Loop detector input
- Internal printer

Consult for the following options

- Stainless steel enclosure
- RF tags/antenna for truck IDs
- Bar code badge scanner
- 230V AC
- Foreign currency acceptor
- Full keyboard
- Numeric keypad

Display:

4.6 in W x 3.4 in H (116 mm W x 86 mm H), 320 x 240 pixel VGA Liquid Crystal Display (LCD) module with adjustable contrast, 75 Hz scan rate 26,000 cd/m2 brightness

Keyboard:

27-key membrane panel, PS/2 port for external keyboard connection

Operating Temperature:

Legal: 14°F to 104°F (-10°C to +40°C)
Industrial: 14°F to 122°F (-10°C to +50°C)

Storage Temperature:

14°F to 158°F (-10°C to +70°C)

Humidity:

0-95% relative humidity

Dimensions:

Indicator: 10.5 W x 10.9 H x 4.5 in D (226 W x 215 H x 114 mm D)
Enclosure with Bill Acceptor: 30.0 H x 24.0 W x 8.0 in D (762 W x 609.6 H x 203 mm D)
Printer Box: 20.0 H x 20.0 W x 12.0 in D (508 mm W x 508 mm H x 305 mm D)
Note: Enclosure sizes may vary based on options requested.

Rating/Material:

NEMA 4 painted enclosure

Warranty:

Two-year limited warranty

Approvals:

CE marked
TUV;
UL & C-UL listed
NTEP CC 98-158, Class III, 10000 d

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PART NUMBERS/PRICE

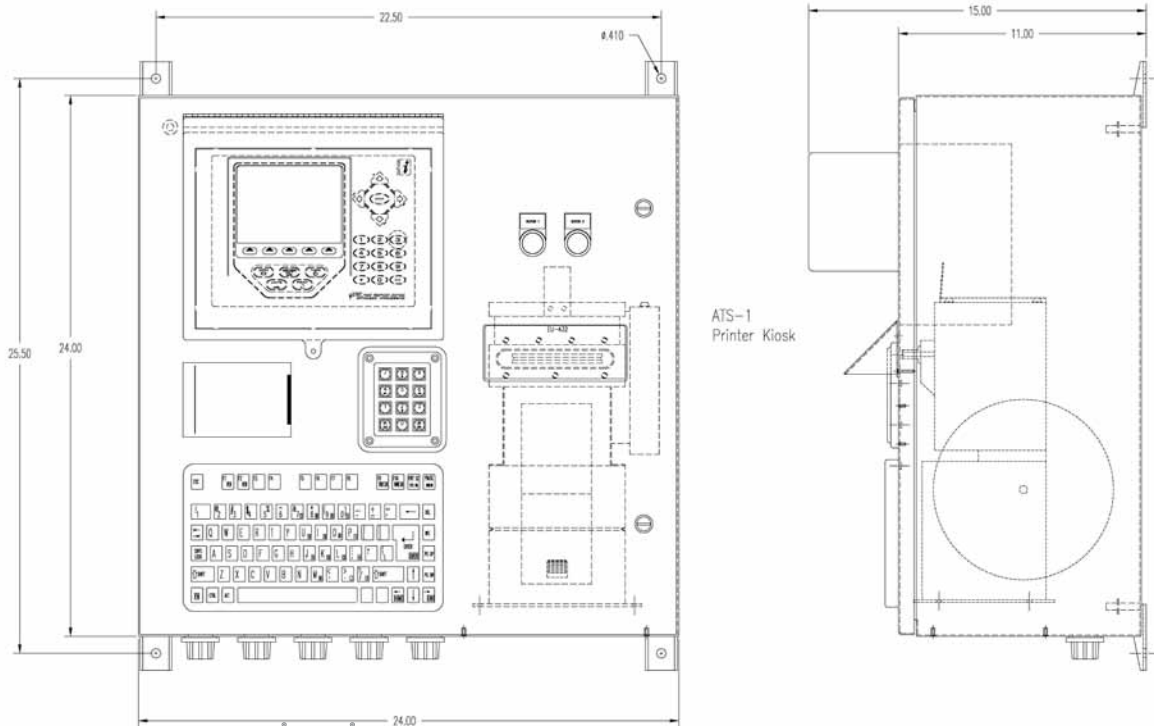
PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
Consult	ATS-1 Automated Truck Scale System	40 lb	Consult

OPTIONS/ACCESSORIES

PART #	DESCRIPTION	PRICE
75850	SURVIVOR® LaserLight® Series remote display, 4 in	Consult
75852	SURVIVOR® LaserLight® Series remote display, 6 in	Consult
36966	Internal heater	Consult
21159	Internal transient protection	Consult
23146	Traffic light	Consult
Consult	Kiosk tape printer with weather shield	Consult
90975	STAR TUP 992 Thermal	Consult

REPLACEMENT PARTS

PART #	DESCRIPTION	PRICE
105443	EU-T400 (requires power supply)	Consult
23112	Power supply	Consult
105445	Paper 6 in OD	Consult
105446	Paper 8 in OD	Consult



AUTOMATED TICKETING