CLS-420/920 *i*

CARGO LIFT SCALE
WIRED OR WIRELESS

SCALESHOP
customized weighing and packaging systems
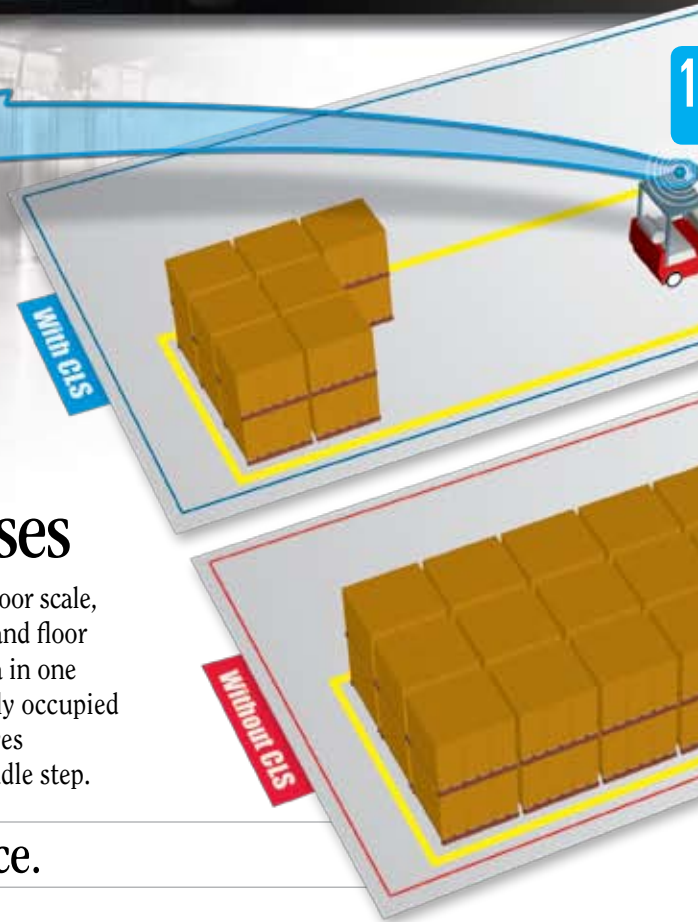
Lift Profits, Lower Logistics Expenses

Using a forklift to transfer cargo from a warehouse to a floor scale, and then to a final destination, wastes time, money and floor space. Now you can weigh, transfer and collect data in one efficient operation and reassign the space previously occupied by the floor scale. Rice Lake's CLS Cargo Lift Scale saves operator time, equipment costs and eliminates the middle step.

With CLS

Without CLS

Real-time data transmission from scale to indicator to front office.

Wired or Wireless:

The ZigBee™ wireless scale-to-indicator system provides complete freedom from cable interference with the forklift mast. Operators steer clear of the cost and downtime associated with damaged cables. The lithium-ion Smart battery supplies power to the scale carriage for 24 continuous hours, requiring only eight hours to fully recharge. The indicator keeps operators informed of how many working hours are remaining on the Smart battery before recharge is necessary.

The wired or wireless scale-to-indicator systems are available with either the CLS-920i or the CLS-420.

10/28/2010	08:31AM	Scale #1

3240

Gross   lb

Emp ID: 123
PRO Num:

Est. Pieces:	0 Est. Wt:	0 lb
Act. Pieces:	0 Act. Wt:	0 lb

Enter or Scan the PRO:
=>|

Home		Cancel		End

Onboard Diagnostics:

The digital iQUBE® junction box combined with the CLS-920i can initiate proactive email alerts of potential scale errors and warns the operator on the indicator display. Predictive warnings allow you to schedule maintenance prior to peak production time. Onboard diagnostic features identify excessive drift, A/D failure, connection error, excitation voltage shift and more.

Indicator-to-Network Data Collection:

Wireless local area network communication from the indicator directly to your warehouse management system delivers real-time, accurate information and documentation. The optional WLAN electronics are stored inside the CLS-420/920i for extra protection, leaving only the antenna extended beyond the enclosure. With the CLS-920i, real-time transmission to a centralized data collection hub gives accurate shipment identifiers and weight-related data including:

- PRO number
- Transaction time and date
- Actual weight and pieces
- Employee ID
- Estimated weight and pieces
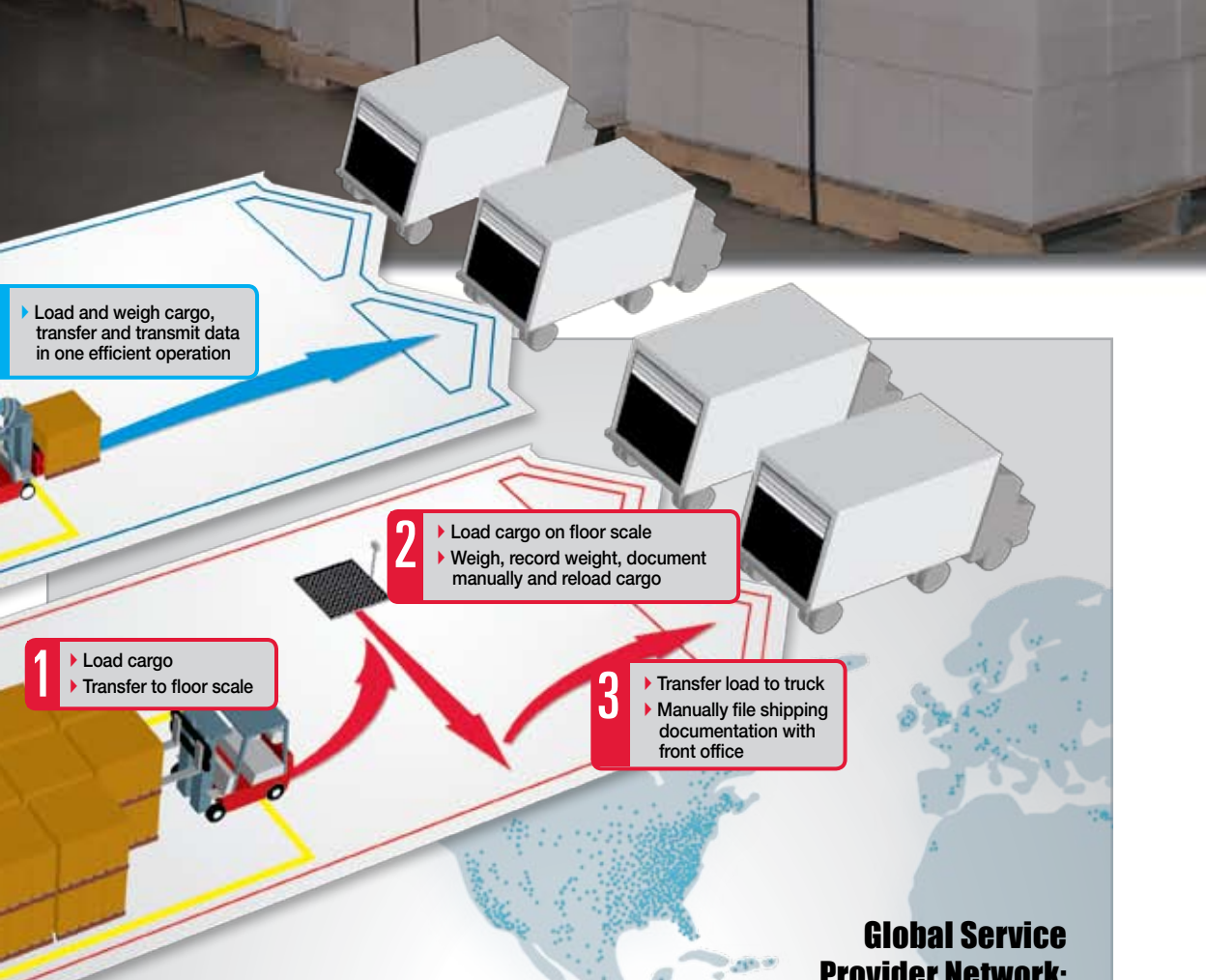
> ▸ Load and weigh cargo, transfer and transmit data in one efficient operation

2
> ▸ Load cargo on floor scale
> ▸ Weigh, record weight, document manually and reload cargo

1
> ▸ Load cargo
> ▸ Transfer to floor scale

3
> ▸ Transfer load to truck
> ▸ Manually file shipping documentation with front office

Maintenance-Reducing:

Robust components and rugged design elements deliver longer scale life and accuracy. The CLS is supported by two 5,000 lb stainless steel load cells and mechanical overload protection. Load cells can be replaced without removing the scale from the forklift.

The centering pin is welded directly to the scale, instead of using mounting bolts, which can shear when the fork tines are used to reposition cargo. This design ensures proper alignment, preventing the scale from sliding laterally.

The digital iQUBE ® junction box is housed in a protective enclosure. A reinforced cover plate shields the cavity between the carriage plates to help protect the load cells and junction box from debris and damage.

The Smart battery is conveniently located for quick change-out on the wireless scale system.

The CLS scale can be installed on forklifts with 28" and 34" Class II and 38" Class III cleat-style carriages, and is compatible with most side shift and guard accessories.

Global Service Provider Network:

With Rice Lake equipment you can choose your preferred service provider for consultation, installation, training and aftermarket support. Rice Lake has over 2300 distributors providing service worldwide.

Profit-Building:

Capturing weight at time of shipment makes good business sense. Whether you are a shipper or a carrier, it is smart business to verify weight before shipments leave or are received at the dock to avoid inventory or billing discrepancies. Accurate invoices promote prompt reimbursement.

Scale Calibration:

Rice Lake manufactures and certifies its own complete line of high quality cast-iron and stainless steel test weights. Our NVLAP-accredited weight laboratory can assist with any certificate you may require. Our helpful sales team is ready to assist you in finding the right weight for your requirements.

CLS-420/920 i CARGO LIFT SCALE

Standard Features

Cargo Lift Scale

- NTEP-Certified, 5,000 lb capacity only
- Two 5,000 lb stainless steel load cells
- Compatible with Class II forklift, 16" cleat style carriage (28", 34")
- Compatible with Class III forklift, 20" cleat style carriage (38")
- Mechanical overload protection
- Panoramic 6" x 20-3/4" view port (28", 34")
  5" x 12" view port (38")
- Reinforced cover plate protects load cells and junction box from debris
- Welded centering pin ensures proper alignment and prevents scale from lateral movement
- iQUBE® two-channel digital junction box
- Cal-Match™ algorithm automatically trims and calibrates scale

Wired Version

- Coiled interface cable from scale to indicator

Wireless Version Ⓩ

- ZigBee™ connection from scale to indicator
- Two lithium-ion Smart batteries included.
  Note: scale operates using one battery for 24 continuous hours and requires only eight hours to fully charge
- Two-bay external battery charger

420 Indicator

- Stainless steel enclosure
- Two-piece mounting assembly with vibration isolators
- Six digit, red LED display
- Full numeric keypad for manual tare entry
- Accumulate weight function for multiple skid loads
- On/Off button for forklift battery conservation
- Setpoint button to view battery hours remaining (wireless version)
- WLAN card (WLAN compatible with the following security protocols: WPA-PSK, TKIP encryption and 64/128-bit WEP)

920i Indicator

- Stainless steel enclosure
- Two-piece mounting assembly with vibration isolators
- Back-lit, LCD graphical display
- User program with data collection and transaction storage including: PRO number, PRO open/closed, employee ID, last transaction, time and date, actual weight and number of skids
- 1 MB internal memory for transaction records
- Diagnostics screen for troubleshooting
- Diagnostics to indicate excessive drift, A/D failures, connection errors, excitation voltage shifts and more
- On/Off toggle switch for forklift battery conservation
- Battery hours remaining displayed as bar graph on main screen (wireless version)

920i Options/Accessories

- Symbol® scanner for barcode documents
- WLAN card (WLAN compatible with the following security protocols: WPA-PSK, TKIP encryption and 64/128-bit WEP)

Specifications

Cargo Lift Scale

Scale Capacity:	5,000 lb (28", 34") or 8,000 lb (38")
Scale Power:	**Wired Version:** supplied by coiled interface cable from indicator
	Wireless Version: supplied by one lithium-ion Smart battery (SMBus revision 1.1 fully compliant)
Material/Finish:	Painted mild steel
Warranty:	Two-year limited warranty
Scale System Approval:	NTEP-Certified at 1,000 divisions, Class III, COC#06-074 28", 34" - 5,000 lb MC - pending

420 Indicator

Display:	0.8" (20 mm), 6-digit red Light Emitting Diode (LED) display, 7-segment digits
Power-DC:	Line voltages: 10-60 VDC DC input Power consumption: 0.75 A Max Fused at 5.0 A
Rating/Material:	304 stainless steel
Status Annunciators:	Designators for: center of zero, stand still, gross, net, lb, kg, count, tare
Operating Temp:	Legal: 14°F to 104°F (-10°C to 40°C) Industrial: 14°F to 122°F (-10°C to 50°C)
ZigBee Connection:	Contains FCC ID: OUR-XBEE/OUR-BXEEPRO Contains Model XBee Radio, IC: 4214A-XBEE Operating Frequency: ISM 2.4 GHz

920i Indicator

Display:	4.6" W x 3.4" H (116 mm W x 86 mm H), 320 x 240 pixel VGA Liquid Crystal Display (LCD) module with adjustable contrast
Power-DC:	Line voltages: 10-60 VDC DC input Power consumption: 1.5 A Max Fused at 5.0 A
Material:	304 stainless steel
Operating Temp:	Legal: 14°F to 104°F (-10°C to +40°C) Industrial: 14°F to 122°F (-10°C to +50°C)
WLAN Option:	Contains FCC ID: R68WIPORATG Range: Up to 328 ft indoors Operating Frequency: ISM 2.4 GHz
ZigBee Connection:	Contains FCC ID: OUR-XBEE/OUR-BXEEPRO Contains Model XBee Radio, IC: 4214A-XBEE Operating Frequency: ISM 2.4 GHz

Approvals

SCALESHOP
customized weighing and packaging systems

www.thescaleshop.net

1-888-844-2031