

CLS-420 Wired Version

Forklift Scale



Specifications

Scale Capacity:

28 in and 34 in: 5,000 lb x 5 lb NTEP Certified
38 in: 8,000 lb x 5 lb non-type approved

Scale Power:

Supplied by indicator through coiled interface cable

Scale Material/Finish:

Painted steel

420 Plus Display:

0.8 in (20 mm), six-digit super red light emitting diode (LED), seven-segment digits

420 Power - DC:

Line voltages: 9-36 VDC DC input
Power consumption: 0.75 A max fused at 5.0 A
Line voltage 10-60 VDC input
Power consumption: 0.75 A max fused at 5.0 A

420 Status Annunciators:

Designators for: Center of zero, stand still, gross, net, lb, kg, tare

420 Operating Temperature:

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

Warranty:

Two-year limited warranty

Approval:

NTEP CC 06-074 (5,000 lb only) per H-44 at 1,000 divisions

Standard Features

Scale Carriage

- Compatible with Class II (16 in H) or III (20 in H) forklift cleat type carriages
- Out of level NTEP Certified tolerance at seven degrees pitch and roll, three degrees side to side
- 1 1/2 in thick front and back painted steel plates coupled by four flexures
- Top cleats are welded, pinned and bolted
- Welded centering pin
- Two 5,000 pound s-beam load cells
- Updated iQube² junction box with inclinometer
- Molded coiled cable, up-to 15ft uncoiled

420 Plus Indicator

- Stainless steel enclosure
- On/Off switch to conserve forklift battery life
- Front panel calibration
- Full numeric keypad for manual tare entry
- Accumulate weight function using the print key for multiple pallets
- Single RS-232 port transmits time, date and weight for interface to PC or printer
- Two piece top cage indicator mounting assembly with vibration mounts
- 9-36 VDC power supply for use on propane forklifts or 10-60 VDC power supply for use on electric forklifts

Presale Requirements

- Provide completed forklift questionnaire for quotation. A pre-installed load backrest on the forklift may interfere with flexures or wireless load cell interface option
- Compatible with most Class II and Class III forklift attachments, consult factory

Installation Recommendations

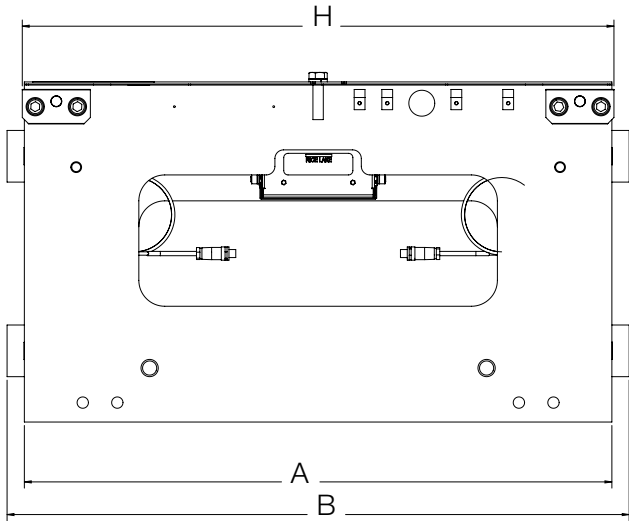
- When installing a forklift scale on an electric forklift, static discharge protection must be present on the forklift and install a chassis mount power conditioner to protect forklift electronics.
- When installing a forklift scale, OSHA requires the end user to de-rate the lift capacity of the forklift, see questionnaire for details

APPROVALS

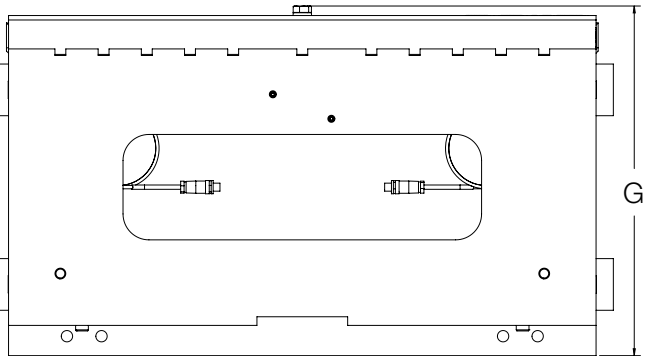


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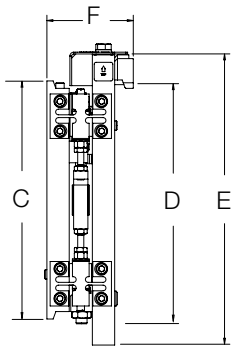
Forklift Scale



Front view



Rear view



Side view

CLS Dimensions

28 in, 5,000 lb

A	28 in (711.2 mm)	E	19.50 in (495.3 mm)
B	30 in (762.2 mm)	F	4.49 in (114 mm)
C	16 in (406.4 mm)	G	21.80 in (553.7 mm)
D	16.29 in (413.8 mm)	H	28.24 in (717.3 mm)

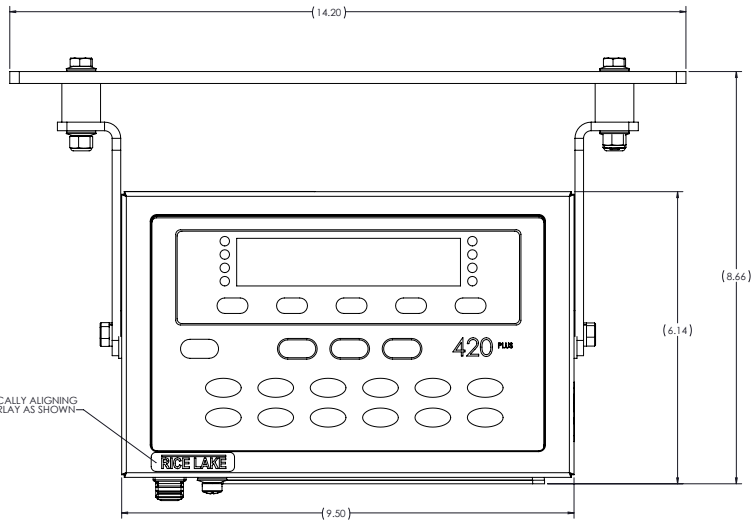
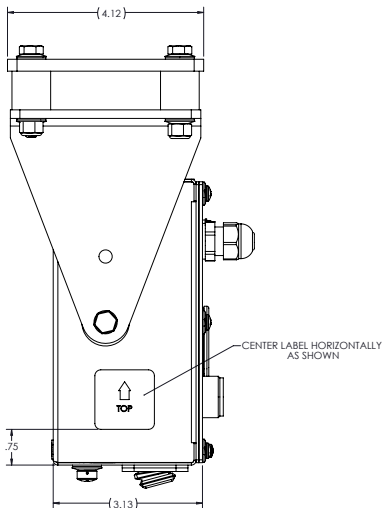
34 in, 5,000 lb

A	34 in (863.6 mm)	E	19.50 in (495.3 mm)
B	36 in (914.4 mm)	F	4.49 in (114 mm)
C	16 in (406.4 mm)	G	21.80 in (553.7 mm)
D	16.29 in (413.8 mm)	H	34.24 in (869.7 mm)

38 in, 8,000 lb

A	38 in (965.2 mm)	E	24.50 in (622.3 mm)
B	40 in (622.3 mm)	F	6.04 in (153.4 mm)
C	20 in (508 mm)	G	26.68 in (677.7 mm)
D	20.15 in (511.8 mm)	H	38 in (965.2 mm)

Additional drawings available at www.ricelake.com



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Part Number/Price

Part #	Size, Capacity	Forklift Compatibility	Est. Weight	Price
CLS Forklift Scale, 9-36 Volts for Propane Forklifts and 12 Volt Battery				
171812	5,000 lb x 5 lb	28 in W, Class II 16 in (H) forklift carriage (30 in W with flexures)	524 lb	Consult
167252	5,000 lb x 5 lb	34 in W, Class II 16 in (H) forklift carriage (36 in W with flexures)	539 lb	Consult
171813*	8,000 lb x 5 lb non-Legal for Trade	38 in W, Class III 20 in (H) forklift carriage (40 in W with flexures)	1,144 lb	Consult
CLS Forklift Scale, 10-60 Volts for Electric Forklifts and 36+ Volt Battery				
167417	5,000 lb x 5 lb	28 in W, Class II 16 in (H) forklift carriage (30 in W with flexures)	524 lb	Consult
167274	5,000 lb x 5 lb	34 in W, Class II 16 in (H) forklift carriage (36 in W with flexures)	539 lb	Consult
167409*	8,000 lb x 5 lb non-Legal for Trade	38 in W, Class III 20 in (H) forklift carriage (40 in W with flexures)	1,144 lb	Consult

**Non-NTEP Certified*

Manufacturer recommends adding PN 166161 to protect electronics against static for installation on electronic forklifts

Options/Accessories

The following options and replacement parts below are available to use for the part numbers referenced above.

To order replacement parts and options for products purchased prior to this catalog, contact the factory for assistance.

Part #	Description	Price
184726	Wireless LAN card 802.11 B/G, requires factory installation	Consult
167498	6.5 ft straight extension cable to coiled cable	Consult
166161	DC Emi filter, chasis mount, 0 – 75 VDC input, 100 VDC surge protection	Consult
166162	DC-DC converter, chasis mount, 18-75 VDC input, 12 VDC output	Consult
Replacement Parts		
125395	Coiled cable (junction box to indicator)	Consult
96915	Power cable assembly with power fuse cable	Consult
130129	Power fuse cable assembly	Consult
166623	RL20000 FLS load cell 5,000 lb 1.5 mV/V 350ohm with turk connectors	Consult
166756	RL20000 FLS turk load cell connector	Consult
167261	CLS-420 iQUBE ² , junction box assembly	Consult
Manuals		
96483	CLS-420 installation manual	Consult
96484	CLS-420 operator card	Consult