



CLASS III CERTIFICATE  
#97-135

# CS™ Series

## DIGITAL CRANE & TENSION LINK SCALES

ISO 9001  
Registered

CS200™ / CS750™ / CS1500™ / CS3000™ / CS5000™ / TL6000™



Infrared remote control is standard on the CS750, CS1500 and CS3000 Crane Scales



### Get Tomorrow's Crane Scale Technology Today from Intercomp.

*Intercomp* offers the industry's most extensive line of crane scales, and can provide your company with a cost-effective solution to virtually every overhead industrial weighing application - ranging from 25 to 600,000 lbs/ 12.5 to 300,000 kg.

Our advanced design, value-packed with the industry's most desired features, makes *Intercomp* the first choice over other electronic units. Ultra high-resolution, A/D conversion delivers unsurpassed accuracy, and digital keypad setup and calibration enhance the ease of operation.

All crane unit electronics are shock-mounted in a weatherproof case and provide maximum protection against moisture, dust and rough usage. Features include a high-visibility digital readout for easy reading of weights and large pushbutton switches for simple, trouble-free operation. All units are supported by a full one-year parts and labor warranty.

*For all your overhead industrial weighing needs, look to **Intercomp**.*

**Intercomp**®  
advanced weighing technology . . . by any measure

# CS1500™

## NTEP (All Capacities)

Low-cost, high performance digital crane scale for medium capacity industrial applications. The unique design flexibility lets you choose the model and weighing capacity you need - NTEP certified from 300 to 20,000 lb/150 to 10,000 kg. The unit utilizes a high-visibility 0.8 inch/20 mm LED digital readout and the efficient micro-controller delivers up to 100 hours of operation on eight (8) D-cell batteries. Crosby eye hook and bottom swivel hook.

### Specifications



Infrared Remote Control

#### Options:

- RS-232 Serial output
- LCD display
- Stainless steel housing
- Direct 120/ 220 volt

#### CONTROLS

General: Zero, lb/kg, On, Off, Tare, Print, Mode and Set  
 Display: 0.8 inch/ 20mm high – 5-1/2 digit light emitting diode (LED)  
 Indicators: lb/kg, Gross, Net, Total and Peak Hold

#### ELECTRICAL

Battery Life: Up to 100 hours continuous use  
 Batteries: 8 x D-size disposable alkaline dry cells or rechargeable nickel-cadmium cells. (Not included)  
 Resolution: 20 bit A/D delivers over 1,000,000 internal counts  
 Filtering: 6-pole, 10 hertz low pass  
 Auto Shut-off: Low battery, or after 5 minutes without use  
 Auto-Zero: Satisfies all NIST/OIML requirements  
 Zero: Up to 100% excluding NIST/OIML units

#### PERFORMANCE

Speed: 3 Seconds to typical reading  
 Accuracy: +/- 0.1% of reading

#### ENVIRONMENTAL

Humidity: 10 to 95% non-condensing  
 Temperature: Operating -4° to 140°F/ - 20° to 60°C

#### PHYSICAL

Nominal Overload: 200% of capacity  
 Maximum Overload: 500% of capacity  
 Dimensions: See Illustration  
 Enclosure: NEMA IV cast aluminum case  
 Hook or Eye: Crosby-Laughlin or equivalent



CAPACITY	GRADUATION	A	B	C	D	E	F	APPROX. WEIGHT
300 lb	0.1 lb	10.5 in	2.38	2.00	0.97	1.38	0.84	20 lb
150 kg	0.05 kg	267 mm	61.00	51.00	25.00	35.00	22.00	9 kg
500 lb	0.2 lb	10.5 in	2.38	2.00	0.97	1.38	0.84	20 lb
250 kg	0.1 kg	267 mm	61.00	51.00	25.00	35.00	22.00	9 kg
1,000 lb	0.5 lb	10.5 in	2.38	2.00	0.97	1.38	0.84	20 lb
500 kg	0.2 kg	267 mm	61.00	51.00	25.00	35.00	22.00	9 kg
2,000 lb	1.0 lb	11.5 in	2.38	2.00	0.97	1.38	0.84	20 lb
1,000 kg	0.5 kg	292 mm	61.00	51.00	25.00	35.00	22.00	9 kg
5,000 lb	2.0 lb	19 in	2.88	2.25	1.69	2.50	1.82	36 lb
2,500 kg	1.0 kg	482 mm	73.00	57.00	43.00	64.00	46.00	16 kg
10,000 lb	5.0 lb	19 in	2.88	2.25	1.69	2.50	1.82	36 lb
5,000 kg	2.0 kg	482 mm	73.00	57.00	43.00	64.00	46.00	16 kg
20,000 lb	10.0 lb	23 in	3.50	3.12	2.41	3.25	2.60	45 lb
10,000 kg	5.0 kg	584 mm	90.00	80.00	62.00	83.00	66.00	20 kg

# CS3000™

## NTEP approved to 70,000 lbs. / 35,000 kg.

Fully featured high capacity industrial crane scale for heavy duty applications. Intercomp's CS3000 is modeled after the CS5000, but utilizes a high visibility 1" / 25mm (optional 2" / 50mm) LCD display and infrared remote control. Capacities range from 500 lb / 250 kg to 600,000 lb / 300,000 kg. Crosby S-1 swivel hook for dynamic loads.

### Specifications



Infrared Remote Control

#### CONTROLS

General: Zero, lb./kg, Tare Set/Display, Tare Clear, On, Off  
 Display: 5-digit, 1 inch liquid crystal display (LCD)  
 Indicators: lb/ kg and Net

#### ELECTRICAL

Battery Life: Up to 400 hours continuous use  
 Batteries: Eight (8) "D"-size disposable alkaline dry cells or rechargeable nicad cells. (Not included)  
 Resolution: 20-bit A/D converter delivers over 1,000,000 internal counts  
 Filtering: 6-pole, 10 hertz low pass  
 Auto Shut-off: Low battery, or after 5 minutes without use  
 Auto-Zero: Satisfies all NIST/OIML requirements  
 Zero: Up to 100% excluding NIST/OIML units  
 Tare: Up to 100% of capacity

#### PERFORMANCE

Speed: 3 Seconds to typical reading  
 Accuracy: +/- 0.1% of reading

#### ENVIRONMENTAL

Humidity: 10 to 95% non-condensing  
 Temperature: Operating -4 to +140°F/ - 20 to +60°C

#### PHYSICAL

Nominal Overload: 200% of capacity  
 Maximum Overload: 500% of capacity  
 \*Dimensions: See Illustration  
 Enclosure: NEMA IV cast aluminum case  
 Hook, Eye, Shackles: Crosby-Laughlin or equivalent



#### Options:

- Substitute shackle for bottom swivel hook
- Oversize top eyelet or shackle
- Anti-heat shield
- Remote load cell input and summing
- RS-232 output
- LED display
- Direct power 110/ 220 volt
- Factory Mutual approval (FM)
- 2" / 50mm LCD display

\* See physical dimensions table on next page.

High capacity crane scale with transceiver for viewing weights from a remote location.

Leading edge radio telemetry for fast weight readouts at remote locations (operating range up to 450 feet/150 meters). Transceiver is FCC-approved. High-resolution, 20-bit A/D converter, plus 16-bit microcontroller, provides highest accuracy available - ±0.1% of applied load. All crane unit electronics are shock-mounted in a weatherproof cast aluminum case for maximum protection against moisture, dust, and rough usage. Stainless steel indicator unit and high-visibility 0.8 inch/20mm LED digits provide easy viewing and extreme durability. Large push button switches allow for simple, trouble-free operation.

The crane unit operates on eight (8) "D" cell batteries for up to 40 hours due to the efficient microcontroller. The indicator unit operates on AC power or optional batteries. Crosby S-1 swivel hook for dynamic loads.

Specifications

Capacities range from 500 lbs/250 kg to 600,000 lbs/300,000 kg.



Indicator Unit

CONTROLS

General: Zero, On.Off, Total, Display Total, Clear Total, Tare Set, Tare Display, Tare Clear, Print  
 Display: 0.8 inch/20mm high – 5-1/2 digit light emitting diode (LED)  
 Indicators: Motion, Total, Low Battery, Gross, Net and Tare

ELECTRICAL

Resolution: 20 bit A/D delivers over 1,000,000 internal counts  
 Filtering: 6-pole, 10 hertz low pass  
 Auto Shut-off: Low battery, or after 5 minutes without use  
 Auto-Zero: Satisfies all NIST/OIML requirements  
 Zero: Up to 100% excluding NIST/OIML units  
 Tare: Up to 100% of capacity  
 Output: RS-232/20mA  
 Indicator Unit: 14 Volt AC or DC, 110/220 VAC with Power Pack (Included)  
 Crane Unit: Eight (8) "D"-size disposable alkaline dry cells or rechargeable nicad cells (Not Included)

PERFORMANCE

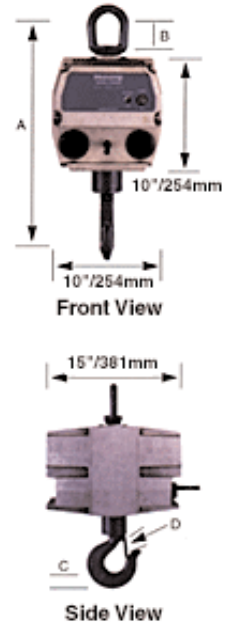
Speed: 3 seconds to typical reading  
 Accuracy: +/- 0.1% of reading

ENVIRONMENTAL

Humidity: 10 to 95% non-condensing  
 Temperature: Operating -4 to 140°F/- 20 to 60°C

PHYSICAL

Nominal Overload: 200% of capacity.  
 Maximum Overload: 500% of capacity.  
 Dimensions: Indicator Unit – 10.5" x 13.5" x 7"  
 277 mm x 343mm x 178mm  
 Indicator Unit – Stainless steel housing  
 Crane Unit– NEMA IV cast aluminum case  
 Enclosure: Indicator Unit– 21.6 lb/ 9.8 kg  
 Weight: Crane Unit– NEMA IV cast aluminum case  
 Hook, Eye, Shackles: Crosby-Laughlin or equivalent



Front View

Side View

Options:

- Substitute shackle for bottom swivel hook
- Oversize top eye or shackle
- Anti-heat shield
- Remote load cell input and summing
- Battery power for indicator unit with 120/220 VAC power pack
- Direct power on crane scale
- Headroom loss adapter
- Relay output kits
- Multiple wireless crane scale units



CS5000/CS3000 Physical Dimensions

CAPACITY	GRADUATION	A	B	C	D	*	HOOK	EYE NUT or SHACKLE	CRANE UNIT
500 lb	0.2 lb.	19.30 in	3.06	1.44	1.41		C/L 3 ton	C/L #7	48 lb
250 kg	0.1 kg	490.00 mm	77.70	35.10	35.80		S1 Swivel	Eye Nut	22 kg
2,000 lb	1.0 lb	19.30 in	3.06	1.44	1.41	Dimensions are top to bottom shackle eye to eye on 25-50 ton/ 12.5-25 metric ton capacity models	C/L 3 ton	C/L #7	50 lb
1,000 kg	0.5 kg	490.00 mm	77.70	35.10	35.80		S1 Swivel	Eye Nut	23 kg
5,000 lb	1.0 lb.	22.00 in.	3.06	1.82	1.69		C/L 5 ton	C/L #7	58 lb
2,500 kg	0.5 kg	558.00 mm	77.70	44.50	42.90		S1 Swivel	Eye Nut	26 kg
10,000 lb	2.0 lb	22.00 in.	3.06	1.82	1.69		C/L 5 ton	C/L #7	58 lb
5,000 kg	1.0 kg	558.00 mm	77.70	44.50	42.90		S1 Swivel	Eye Nut	26 kg
20,000 lb	5.0 lb	37.15 in	6.25	2.60	2.41		C/L 10 ton	C/L #11	97 lb
10,000 kg	2.0 kg	944.00 mm	159.00	65.80	61.20		S1 Swivel	Eye Nut	44 kg
30,000 lb	10.0 lb	39.15 in	6.25	3.00	3.19		C/L 15 ton	C/L #11	122 lb
15,000 kg	5.0 kg	994.00 mm	159.00	76.20	81.30		S1 Swivel	Eye Nut	55 kg
* 50,000 lb	10.0 lb	43.50 in	6.00	3.66	3.62	17.0	C/L 25 ton	C/L 30 ton	220 lb
* 25,000 kg	5.0 kg	1105.00 mm	152.00	93.00	92.00	432.0	S1 Swivel	#2140	100 kg
* 70,000 lb	20.0 lb	47.56 in	6.00	4.56	3.75	17.0	C/L 35 ton	C/L 40 ton	248 lb
* 35,000 kg	10.0 lb	1208.00 mm	152.00	116.00	92.30	432.0	S1 Swivel	#2140	113 kg
* 100,000 lb	20.0 lb	53.00 in	7.75	5.06	4.25	18.0	C/L 45 ton	C/L 55 ton	392 lb
* 50,000 kg	10.0 kg	1347.00 mm	197.00	129.00	108.00	457.0	S1 Swivel	#2140	178 kg

\* Unit comes standard with top shackle & bottom swivel hook. Capacities to 300 tons available upon request.



**Intercomp**<sup>®</sup>  
advanced weighing technology ... by any measure

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