

IQ Plus® 2100SL Digital Bench Scale

RICE LAKE
WEIGHING SYSTEMS

*As of: Tuesday, February 18,
2025*



Standard Features

- NEMA Type 4X/IP66
- 304 stainless steel construction
- Large, bold 0.8-inch LED display
- Status annunciators: lb, kg, oz, g, negative, motion, center of zero
- One full-duplex RS-232 port
- Two digital inputs for remote zero, print and units
- 12-inch column, attachment bracket or tilt stand for table, wall or under counter mounting
- Aluminum, single-point load cell
- Overload and upload stops on scale base

Approvals



Measurement
Canada
Approved



- Stainless steel, non-tactile feel, piezo zero and units buttons
- Unit of measure: kg, gm, lb, oz, lb/oz (lb/oz is not Legal for Trade)
- PreVent™ breather vent
- Spring-loaded platform
- Factory calibrated



WARNING:
Cancer
and
Reproductive
Harm
California
Proposition
65

Unmatched Features and Value

The IQ plus® 2100SL digital bench scale is ideal for use in general-purpose weighing, portioning, and a variety of food processing applications. Stainless steel buttons repel messy ingredient spills and damage by knifepoint, while the NEMA Type 4X stainless steel indicator enclosure stands up to frequent washdowns. Standard overload stops protect the base during heavy use. All operations are controlled through two buttons—zero and units. Push-button zero and a full range of units, including lb/oz, offer the flexibility needed for a wide variety of applications

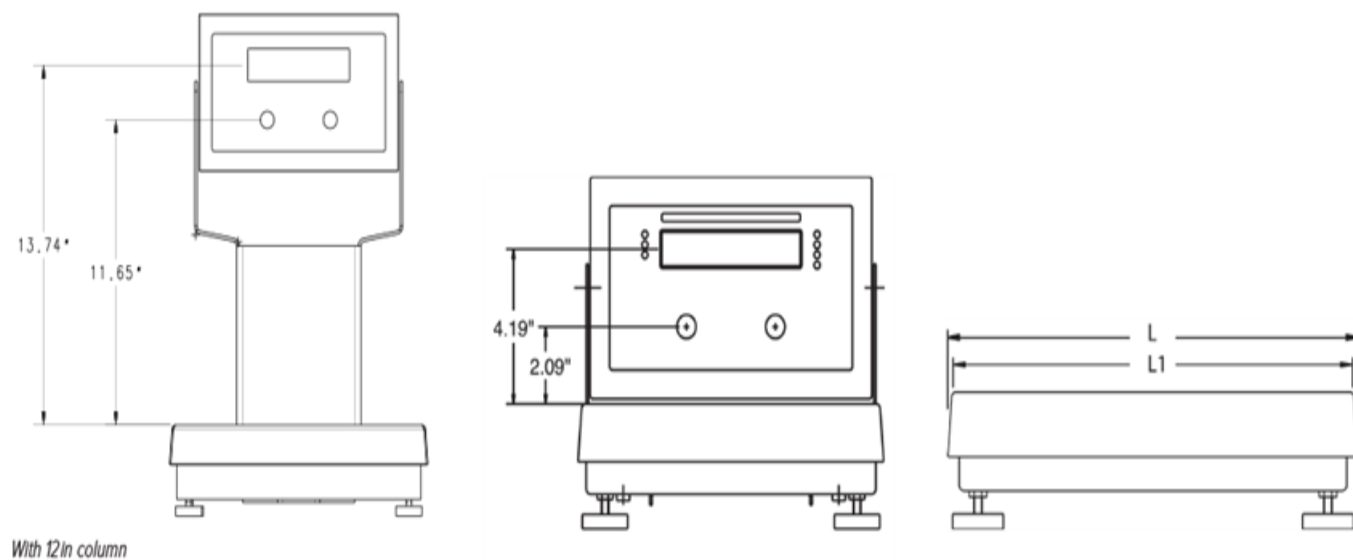
Added Overload Protection

This special 2100 model is enhanced with a four-point spring plate suspension, to minimize shock and overload damage. For increased durability, the 2100SL is an economical and durable checkweigher.

IQ Plus 2100SL Digital Bench Scale Specifications

Power: Line Voltage 115 VAC	Scale Cover: AISI304L, straight line finish, Ra=45 ± 10	Operating Temperature: 14 °F to 104 °F (-10 °C to 40 °C)
Frequency: 50/60 Hz	Serial Communications: Full-duplex RS-232; 9600, 4800, 2400, 1200 bps; seven or eight data bits; even, odd or no parity	Rating/Material: NEMA Type 4X/IP66, stainless steel
Power Consumption: 70 mA at 115 VAC (8 W)	Display: Six-digit LED display Seven-segment, 0.8 in (20 mm) digits	Load Cell: Aluminum, environmentally sealed
Display Resolution: 10,000 graduations maximum	LED Annunciators: Negative value, center of zero, motion, kg, g, lb, oz	Warranty: Two-year limited
Digital Inputs: Two inputs, TTL or switch closure, active-low	Keypad: Two stainless steel piezo switches	Approvals: Indicator: NTEP CC 00-045 Class III/IIIL 10,000 d Measurement Canada, AM-5374; UL and C-UL listed
Scale Frame: AISI304L, straight line finish, Ra=45 ± 10		Base: NTEP CC 95-072, Class III 5,000 d

IQ Plus 2100SL Digital Bench Scale Dimensions



Platform Dimensions	L	L1
10 × 10 in (254 × 254 mm)	10.25 in (260.4 mm)	10 in (254 mm)
12 × 12 in (304.8 × 304.8 mm)	12.25 in (311.2 mm)	12 in (304.8 mm)

Parts

Part #	Description
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IQ plus 2100SL with tilt stand - 115 VAC

65168	CKWGHR,IQ+2100SL 10x10- 5lb w/ Tilt Stand SST 115vac
65169	CKWGHR,IQ+2100SL 10x10- 10lb w/ Tilt Stand SST 115vac
65170	CKWGHR,IQ+2100SL 10x10- 20lb w/ Tilt Stand SST 115vac
65171	CKWGHR,IQ+2100SL 10x10- 30lb w/ Tilt Stand SST 115vac
65172	CKWGHR,IQ+2100SL 12x12- 30lb w/ Tilt Stand SST 115vac
65173	CKWGHR,IQ+2100SL 12x12- 50lb w/ Tilt Stand SST 115vac
65174	CKWGHR,IQ+2100SL 12x12- 100lb w/ Tilt Stand SST 115vac

IQ plus 2100SL with attachment bracket - 115 VAC

65175	CKWGHR,IQ+2100SL 10x10- 5lb w/ Bench Scale Attachment Bracket SST 115vac
65176	CKWGHR,IQ+2100SL 10x10- 10lb w/ Bench Scale Attachment Bracket SST 115vac
65177	CKWGHR,IQ+2100SL 10x10- 20lb w/ Bench Scale Attachment Bracket SST 115vac
65178	CKWGHR,IQ+2100SL 10x10- 30lb w/ Bench Scale Attachment Bracket SST 115vac
65179	CKWGHR,IQ+2100SL 12x12- 30lb w/ Bench Scale Attachment Bracket SST 115vac
65180	CKWGHR,IQ+2100SL 12x12- 50lb w/ Bench Scale Attachment Bracket SST 115vac
65181	CKWGHR,IQ+2100SL 12x12- 100lb w/ Bench Scale Attachment Bracket SST 115vac

IQ plus 2100SL with 12 in column - 115 VAC

65182	CKWGHR,IQ+2100SL 10x10- 5lb w/ 12 Inch Column SST 115vac
65183	CKWGHR,IQ+2100SL 10x10- 10lb w/ 12 Inch Column SST 115vac
65184	CKWGHR,IQ+2100SL 10x10- 20lb w/ 12 Inch Column SST 115vac
65185	CKWGHR,IQ+2100SL 10x10- 30lb w/ 12 Inch Column SST 115vac
65186	CKWGHR,IQ+2100SL 12x12- 30lb w/ 12 Inch Column SST 115vac
65187	CKWGHR,IQ+2100SL 12x12- 50lb w/ 12 Inch Column SST 115vac
65188	CKWGHR,IQ+2100SL 12x12- 100lb w/ 12 Inch Column SST 115vac

Replacement Parts

Part # Description

Tilt Stand Assembly

29635	Stand,Tilt SST
42149	Bumper,Rubber Grommet .50 O.D. x .281 I.D.
15144	Washer,Nylon 1/4x1x1/16 White
68403	Knob,Black 2 Prong 1/4-20 Projecting Stud 3/8 Ig. Stainless Steel

Attachment Bracket Assembly

50879	Bracket,Column/Stand RL2100
15408	Grommet,Rubber 3/16 ID 1/8 Groove
14956	Screw,Cap 1/4-20NCx1/2 HEX Head SST
15148	Washer,Lock 1/4 Regular Helical Spring SST ID=.254-.262 OD=.489max Thickness=.062
14645	Nut,Jam 1/4-20NC HEX SST Width Across Flats=7/16 Thickness=5/32
35128	Foot,Bench Scale 1/4-20NC x1-3/16 SST
68403	Knob,Black 2 Prong 1/4-20 Projecting Stud 3/8 Ig. Stainless Steel
15144	Washer,Nylon 1/4x1x1/16 White

Column Assembly

105453	Column, 12in CW90 Bench Scale
15148	Washer,Lock 1/4 Regular Helical Spring SST ID=.254-.262 OD=.489max Thickness=.062
14956	Screw,Cap 1/4-20NCx1/2 HEX Head SST
14645	Nut,Jam 1/4-20NC HEX SST Width Across Flats=7/16 Thickness=5/32
35128	Foot,Bench Scale 1/4-20NC x1-3/16 SST
68403	Knob,Black 2 Prong 1/4-20 Projecting Stud 3/8 Ig. Stainless Steel
15144	Washer,Nylon 1/4x1x1/16 White

Backplate and Tilt Stand Assembly

14626	Nut,Kep 8-32NC HEX External Tooth Lockwasher Steel Zinc Plated Width Across Flats= 11/32 Thickness=5/32. 8-32
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Part #	Description
52483	Back Plate,IQ+210
45042	Washer,Bonded Sealing #8 3/8 (.375) OD SST
44676	Washer,Bonded Sealing SST 1/4 ID x 5/8 OD
42640	Screw,Mach 1/4-28NF x .25 Phillips, Drilled Fillister Head, 18-8 SST
41964	Filter ASSY,Line IQ+355
15134	Washer,Lock NO 8 Type A Internal Tooth Steel Zinc Plated ID=.168-.176 OD=.325-.340 Thickness=.018-.023
14862	Screw,Machine 8-32NC x 3/8 Phillips Pan Head Fully Threaded 18-8 SST
45043	Wire ASSY,Ground 4 In. 16 AWG Green/Yellow Wire, w/#8 Eye Connector Both Ends
39037	Gasket, Back Plate IQ+210 and IQ+355
49910	Switch ASSY,Single Pole, N/O With Wire And 2 Pin CONN
16892	Label,Ground Protective Earth Adhesive IEC 60417-5019 (DB:2002-10)
15650	Mount,Cable Tie 3/4in Square Nylon
45302	Standoff,FEM-FEM 8-32NC x 3/4,1/4 HEX Al
30623	Screw,Machine 8-32NC x 7/16 Phillips Drive Drilled Fillister Head 18-8 SST
CPU Board and Enclosure	
53651	Board ASSY,IQ+210 115VAC w/ Volts Cal
53650	Board ASSY,IQ+210 230VAC w/ Volts Cal
15365	Spacer,Round NO 6 1/4x1/4 DIA Brass
15626	Cord Grip,PG9 Black Clamping Range .138 - .315 Nut: 15627. Torque at 3.75Nm (33.19 inch lbs.)
30375	Seal Ring,Nylon PG9 .59 ID X .75 OD X .08
15627	Locknut,Black PCN9 Used on PG9 Cord Grips. (PN 15626)
19538	Plug,Post, Slotted, DIA = 1/4IN, Shank = 1/2 - 1IN, Plastic, Seals Inside Cord Grip
41965	Power Cord ASSY,115 VAC
45254	Power Cord ASSY,230VAC
14621	Nut,Kep 6-32NC HEX External Tooth Lockwasher Steel Zinc Plated Width Across Flats= 5/16 Thickness=9/64
52853	Overlay, Front IQ+210

Part #	Description
52482	Enclosure,IQ+210
15131	Washer,Lock NO 6 Type A External Tooth Steel Zinc Plated ID=.141-.150 OD=.305-.320 Thickness=.016-.022
71014	Switch,Piezo SST SPST 24 Gage Wire 2" Non-Tactile w/Connector And O-Ring
53848	Fuse,200mA Time-Lag TR5 374 Series
53881	Fuse,100mA Time-Lag TR5 Sub-Miniature 372 Series
2100 Base Assembly	
22125	LIT,Manual Benchmark Scale
14920	Screw, Set 8-32NC x 1/4 Hex Drive Cup Point 18-8 SST
35128	Foot,Bench Scale 1/4-20NC x1-3/16 SST
14645	Nut,Jam 1/4-20NC HEX SST Width Across Flats=7/16 Thickness=5/32
19086	Bottom Sub-ASSY,.040 Thick 9.62x9.62x2.22 SST
35066	Bottom Sub-ASSY,.060 Thick x11.62x11.62x2.22 SST
19091	Top Cover,10.12x10.12x 1.00x.040 Thick SST
35069	Top Cover,12-1/4x12-1/4x1 x.060 Thick SST
19088	Top Sub-ASSY,.090 Thick 9.84x9.84x.88
35068	TOP Sub-ASSY,.105 Thick x 11.84x11.84x.88 SST
15148	Washer,Lock 1/4 Regular Helical Spring SST ID=.254-.262 OD=.489max Thickness=.062
21948	Screw,Cap 1/4-20NCx5/8 Fully Threaded HEX Head SST
15410	Level,Spirit Bubble Plastic 15mm Press Fit
15132	Washer,Lock NO 8 Type A Internal Tooth SST ID=.168-.176 OD=.325-.340 Thickness=.018-.023
14857	Screw,Machine 8-32NC x 1/4 Phillips Pan Head 18-8 SST

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