# IQ plus® 2100 Digital Bench Scale



*IQ plus 2100 with attachment bracket*



*IQ plus 2100 with column*



*IQ plus 2100 with tilt stand*

*Measurement Canada Approved*

**LISTED**
*(Indicator only)*

**(SEE CHART ON BACK OF PAGE FOR PART #'S)**

From carton to countertop, the new IQ plus 2100's easy-setup design will have you instantly up and weighing. Factor in a highly-visible display, convenient mounting options, and extra load cell protection, and you've got the best-built bench scale in its class!

Whether controlling portions or weighing parts, the 2100 is designed for quick and easy use. All operations are controlled through just two buttons–zero and units. Configuration can be completed through the indicator's front panel, EDP port, or from a personal computer with Revolution™ software. Select from lb, kg, oz, lb and oz, or grams to serve your specific needs.

Perfect for use in portion control and a variety of food processing applications, the IQ plus 2100 guarantees dependable, long-lasting performance. Sealed, stainless steel buttons and a NEMA 4X/IP66 stainless steel washdown indicator enclosure guard electronics against messy ingredient spills, while standard overload and upload stops help protect the scale base from load cell damage.

## Applications

- Portion control
- Baker's scale
- Pizza scale
- General purpose weighing

## Standard Features

- NEMA 4X, 304 stainless steel
- Large, bold 0.8" Light Emitting Diode (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" column, attachment bracket, or tilt stand for table, wall or under counter mounting
- 115 VAC operation, 230 VAC available
- RL1042 aluminum, single point load cell
- Overload and upload stops on scale base
- Stainless steel, tactile feel, piezo zero and units buttons
- Displays units in decimal lb, kg, oz, lb & oz, and grams

## Options/Accessories

| | |
|---|---|
| **53001** ...... | 304 stainless steel clamshell for added load cell protection |
| **64126** ...... | Load cell quick disconnect |
| **64123** ...... | Remote switch for zero, units, and print (non-washdown) |
| **N/A** .......... | Print button mounted on the top of the enclosure (not field installable) |
| **N/A** .......... | RL1380 stainless steel load cell |
| **N/A*** ........ | 18" column replacing standard 12" column |
| **53415** ...... | Additional operation manual |

*\* Not recommended for use with scale bases smaller than 12" x 12"*

# IQ plus® 2100SL Digital Bench Scale

For harsh applications, the IQ plus 2100SL package offers the same benefits with added features of the legendary BenchMark SL base. The unique LifeGuard™ breakaway base of the SL incorporates extra load cell protection from overloads.

*See price page BCS-5 (P) for part numbers and pricing*

**LINE VOLTAGES:**
115 or 230 VAC

**FREQUENCY:**
50 or 60 Hz

**POWER CONSUMPTION:**
70 mA @ 115 VAC (8W)
35 mA @ 230 VAC (8W)

**FUSING:**
115 VAC:   2 x 200 mA TR5 subminiature fuses
Wickmann Time-Lag 19374 Series
UL Listed, CSA Certified
230 VAC:   2 x 200 mA TR5 subminiature fuses
Wickmann Time-Lag 19374 Series
UL Recognized, VDE Approved

**FULL SCALE INPUT SIGNAL:**
Up to 35 mV

**EXCITATION VOLTAGE:**
10 ± 0.25 VDC, 4 x 350Ω load cells

**ANALOG SIGNAL INPUT RANGE:**
0.6 mV/V — 4.5 mV/V

**ANALOG SIGNAL SENSITIVITY:**
0.3 µV/graduation minimum, 1.5 µV/graduation recommened

**INPUT IMPENDENCE:**
200 MΩ, typical

**DISPLAY RESOLUTION:**
10,000 dd

**INPUT SENSITIVITY:**
200 nV per internal count

**SYSTEM LINEARITY:**
Within 0.01% of full scale

**CALIBRATION METHOD:**
Software, constants stored in EEPROM

**COMMON MODE VOLTAGE:**
± 4 V, referred to earth

**INPUT OVERLOAD:**
± 12 V continuous, static discharge protected

**RFI PROTECTION:**
Signal, excitation, and sense lines protected by capacitor bypass

**DIGITAL INPUTS:**
Two inputs, TTL or switch closure, active-low

**DIGITAL FILTER:**
Software selectable

**SERIAL COMMUNICATIONS:**
Full duplex RS-232; 9600, 4800, 2400, 1200 bps; 7 or 8 data bits; even, odd, or no parity

**DISPLAY:**
6-digit Light Emitting Diode (LED) display. 7-segment, 0.8" (20mm) digits

**LED ANNUNCIATORS:**
Negative value, center of zero, motion, kg, g, lb, oz

**KEYPAD:**
Two stainless steel piezo switches

**OPERATING TEMPERATURE:**
14°F to 104°F (-10°C to 40°C)

**STORAGE TEMPERATURE:**
14°F to 122°F (-10°C to 50°C)

**DIMENSIONS:**
Indicator: 9.5" x 6.0" x 2.75" (241mm x 152mm x 70mm)
Base: Listed below

**RATING/MATERIAL:**
NEMA 4X/IP66, stainless steel

**APPROVALS:**
Indicator: NTEP certified per H-44, Class IIIL 10,000d; CC# 00-045
Measurement Canada approved, AM-5374; UL & C-UL listed
Base: NTEP certified per H-44, Class III 5,000d; CC# 95-072A2

**WARRANTY:**
Two year limited warranty

### IQ PLUS 2100SL SPECIFICATIONS
For indicator specifications please refer to the above listed.

For base specifications please refer to the BenchMark SL Series catalog page BCS-1.

| PART # | PLATFORM SIZE | CAPACITY (lb/kg/gm/oz) | DESCRIPTION | SHIP WEIGHT LB (KG) |
|---|---|---|---|---|
| **IQ plus 2100 - 115 VAC** | | | | |
| 63043 | 10" x 10" (254 x 254mm) | 5 x 0.001 lb/2.5 x 0.0005 kg/2,500 x 0.5 gm/80 x 0.02 oz | with attachment bracket | 23 lb (10 kg) |
| 63048 | 10" x 10" (254 x 254mm) | 5 x 0.001 lb/2.5 x 0.0005 kg/2,500 x 0.5 gm/80 x 0.02 oz | with 12" column | 25 lb (11 kg) |
| 63053 | 10" x 10" (254 x 254mm) | 5 x 0.001 lb/2.5 x 0.0005 kg/2,500 x 0.5 gm/80 x 0.02 oz | with tilt stand | 23 lb (10 kg) |
| 63042 | 10" x 10" (254 x 254mm) | 10 x 0.001 lb/2.5 x 0.0005 kg/2,500 x 0.5 gm/80 x 0.02 oz | with attachment bracket | 23 lb (10 kg) |
| 63047 | 10" x 10" (254 x 254mm) | 10 x 0.002 lb/5 x 0.001 kg/5,000 x 1 gm/160 x 0.05 oz | with 12" column | 25 lb (11 kg) |
| 63052 | 10" x 10" (254 x 254mm) | 10 x 0.002 lb/5 x 0.001 kg/5,000 x 1 gm/160 x 0.05 oz | with tilt stand | 23 lb (10 kg) |
| 63041 | 10" x 10" (254 x 254mm) | 25 x 0.002 lb/5 x 0.001 kg/5,000 x 1 gm/160 x 0.05 oz | with attachment bracket | 23 lb (10 kg) |
| 63046 | 10" x 10" (254 x 254mm) | 25 x 0.005 lb/10 x 0.002 kg/10,000 x 2 gm/400 x 0.10 oz | with 12" column | 25 lb (11 kg) |
| 63051 | 10" x 10" (254 x 254mm) | 25 x 0.005 lb/10 x 0.002 kg/10,000 x 2 gm/400 x 0.10 oz | with tilt stand | 23 lb (10 kg) |
| 63040 | 12" x 12" (304.8 x 304.8mm) | 50 x 0.01 lb/25 x 0.005 kg/25,000 x 5 gm/800 x 0.20 oz | with attachment bracket | 26 lb (12 kg) |
| 63045 | 12" x 12" (304.8 x 304.8mm) | 50 x 0.01 lb/25 x 0.005 kg/25,000 x 5 gm/800 x 0.20 oz | with 12" column | 28 lb (13 kg) |
| 63050 | 12" x 12" (304.8 x 304.8mm) | 50 x 0.01 lb/25 x 0.005 kg/25,000 x 5 gm/800 x 0.20 oz | with tilt stand | 26 lb (12 kg) |
| 63039 | 12" x 12" (304.8 x 304.8mm) | 100 x 0.02 lb/50 x 0.01 kg/50,000 x 10 gm/1,600 x 0.50 oz | with attachment bracket | 26 lb (12 kg) |
| 63044 | 12" x 12" (304.8 x 304.8mm) | 100 x 0.02 lb/50 x 0.01 kg/50,000 x 10 gm/1,600 x 0.50 oz | with 12" column | 28 lb (13 kg) |
| 63049 | 12" x 12" (304.8 x 304.8mm) | 100 x 0.02 lb/50 x 0.01 kg/50,000 x 10 gm/1,600 x 0.50 oz | with tilt stand | 26 lb (12 kg) |
| **IQ plus 2100 - 230 VAC** | | | | |
| 63058 | 10" x 10" (254 x 254mm) | 5 x 0.001 lb/2.5 x 0.0005 kg/2,500 x 0.5 gm/80 x 0.02 oz | with attachment bracket | 23 lb (10 kg) |
| 63063 | 10" x 10" (254 x 254mm) | 5 x 0.001 lb/2.5 x 0.0005 kg/2,500 x 0.5 gm/80 x 0.02 oz | with 12" column | 25 lb (11 kg) |
| 63068 | 10" x 10" (254 x 254mm) | 5 x 0.001 lb/2.5 x 0.0005 kg/2,500 x 0.5 gm/80 x 0.02 oz | with tilt stand | 23 lb (10 kg) |
| 63057 | 10" x 10" (254 x 254mm) | 10 x 0.002 lb/5 x 0.001 kg/5,000 x 1 gm/160 x 0.05 oz | with attachment bracket | 23 lb (10 kg) |
| 63062 | 10" x 10" (254 x 254mm) | 10 x 0.002 lb/5 x 0.001 kg/5,000 x 1 gm/160 x 0.05 oz | with 12" column | 25 lb (11 kg) |
| 63067 | 10" x 10" (254 x 254mm) | 10 x 0.002 lb/5 x 0.001 kg/5,000 x 1 gm/160 x 0.05 oz | with tilt stand, 230 VAC | 23 lb (10 kg) |
| 63056 | 10" x 10" (254 x 254mm) | 25 x 0.005 lb/10 x 0.002 kg/10,000 x 2 gm/400 x 0.10 oz | with attachment bracket | 23 lb (10 kg) |
| 63061 | 10" x 10" (254 x 254mm) | 25 x 0.005 lb/10 x 0.002 kg/10,000 x 2 gm/400 x 0.10 oz | with 12" column | 25 lb (11 kg) |
| 63066 | 10" x 10" (254 x 254mm) | 25 x 0.005 lb/10 x 0.002 kg/10,000 x 2 gm/400 x 0.10 oz | with tilt stand | 23 lb (10 kg) |
| 63055 | 12" x 12" (304.8 x 304.8mm) | 50 x 0.01 lb/25 x 0.005 kg/25,000 x 5 gm/800 x 0.20 oz | with attachment bracket | 26 lb (12 kg) |
| 63060 | 12" x 12" (304.8 x 304.8mm) | 50 x 0.01 lb/25 x 0.005 kg/25,000 x 5 gm/800 x 0.20 oz | with 12" column | 28 lb (13 kg) |
| 63065 | 12" x 12" (304.8 x 304.8mm) | 50 x 0.01 lb/25 x 0.005 kg/25,000 x 5 gm/800 x 0.20 oz | with tilt stand | 26 lb (12 kg) |
| 63054 | 12" x 12" (304.8 x 304.8mm) | 100 x 0.02 lb/50 x 0.01 kg/50,000 x 10 gm/1,600 x 0.50 oz | with attachment bracket | 26 lb (12 kg) |
| 63059 | 12" x 12" (304.8 x 304.8mm) | 100 x 0.02 lb/50 x 0.01 kg/50,000 x 10 gm/1,600 x 0.50 oz | with 12" column | 28 lb (13 kg) |
| 63064 | 12" x 12" (304.8 x 304.8mm) | 100 x 0.02 lb/50 x 0.01 kg/50,000 x 10 gm/1,600 x 0.50 oz | with tilt stand | 26 lb (12 kg) |
| **Indicator Only** | | | | |
| 65137 | IQ plus 210 with tilt stand, 115 VAC | | | 9.3 lb (4.2 kg) |
| 65138 | IQ plus 210 with tilt stand, 230 VAC | | | 9.3 lb (4.2 kg) |

*See price page BCS-5 (P) for IQ plus 2100SL part numbers and pricing*

## RICE LAKE WEIGHING SYSTEMS
*Industrial Solutions on a Global Scale*