

Checkweighers

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Digital Bench Scale

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IQ Plus® 2100

Digital Bench Scale



IQ plus 2100 with attachment bracket



IQ plus 2100 with column



IQ plus 2100 with tilt stand

Approvals

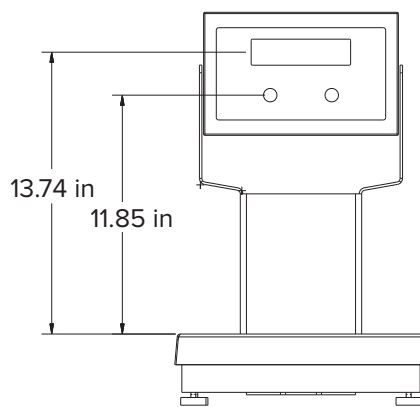
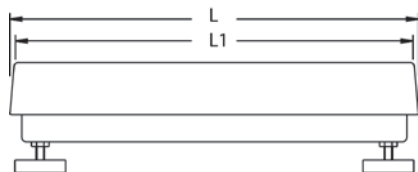


Measurement
Canada
Approved

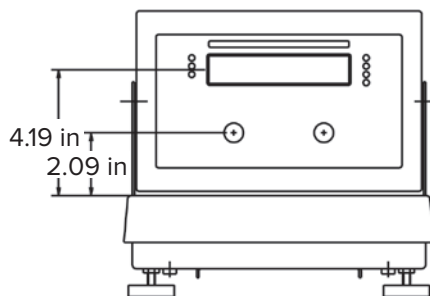
Dimensions

Platform Dimensions	L	L1
10 × 10 in	10.25 in	10 in
12 × 12 in	12.25 in	12 in

Note: 1 in=25.4 mm



With 12 in column



With attachment bracket

Standard Features

- NEMA Type 4X/IP66
- 304 stainless steel construction
- Large, bold 0.8 in 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 in 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
- 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
- Factory calibrated

Specifications

Power:

Line Voltage 115 VAC

Frequency:

50/60 Hz

Power Consumption:

70 mA at 115 VAC (8 W)

Display Resolution:

10,000 graduations maximum

Digital Inputs:

Two inputs, TTL or switch closure, active-low

Scale Frame:

AISI304L, straight line finish, Ra=45 ± 10

Scale Cover:

AISI304L, straight line finish, Ra=45 ± 10

Serial Communications:

Full-duplex RS-232; 9600, 4800, 2400, 1200 bps; seven or eight data bits; even, odd or no parity

Display:

Six-digit light-emitting diode (LED) display
Seven-segment, 0.8 in (20 mm) 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)

Rating/Material:

NEMA Type 4X/IP66, stainless steel

Load Cell:

Aluminum, environmentally sealed

Warranty:

Two-year limited

Approvals:

Indicator:

NTEP CC 00-045 Class III/IIIL 10,000 d
Measurement Canada AM-5374;
cULus listed

Base:

NTEP CC 95-072, Class III 5,000 d

Part Number/Price

Part #	Capacity	Platform Size*	Est. Weight	Price
IQ plus 2100 with tilt stand - 115 VAC				
63053†	5 × 0.001 lb (2.5 × 0.0005 kg) (2,500 × 0.5 g) (80 × 0.02 oz)	10 × 10 in	23 lb	\$1,470.00
63052†	10 × 0.002 lb (5 × 0.001 kg) (5,000 × 1 g) (160 × 0.05 oz)	10 × 10 in	23 lb	\$1,470.00
63051†	25 × 0.005 lb (10 × 0.002 kg) (10,000 × 2 g) (400 × 0.10 oz)	10 × 10 in	23 lb	\$1,470.00
63050†	50 × 0.01 lb (25 × 0.005 kg) (25,000 × 5 g) (800 × 0.20 oz)	12 × 12 in	26 lb	\$1,565.00
63049†	100 × 0.02 lb (50 × 0.01 kg) (50,000 × 10 g) (1,600 × 0.50 oz)	12 × 12 in	26 lb	\$1,565.00
IQ plus 2100 with attachment bracket - 115 VAC				
63043†	5 × 0.001 lb (2.5 × 0.0005 kg) (2,500 × 0.5 g) (80 × 0.02 oz)	10 × 10 in	23 lb	\$1,570.00
63042†	10 × 0.002 lb (5 × 0.001 kg) (5,000 × 1 g) (160 × 0.05 oz)	10 × 10 in	23 lb	\$1,570.00
63041†	25 × 0.005 lb (10 × 0.002 kg) (10,000 × 2 g) (400 × 0.10 oz)	10 × 10 in	23 lb	\$1,385.00
63040†	50 × 0.01 lb (25 × 0.005 kg) (25,000 × 5 g) (800 × 0.20 oz)	12 × 12 in	26 lb	\$1,475.00
63039†	100 × 0.02 lb (50 × 0.01 kg) (50,000 × 10 g) (1,600 × 0.50 oz)	12 × 12 in	26 lb	\$1,665.00
IQ plus 2100 with 12 in column - 115 VAC				
63048†	5 × 0.001 lb (2.5 × 0.0005 kg) (2,500 × 0.5 g) (80 × 0.02 oz)	10 × 10 in	25 lb	\$1,385.00
63047†	10 × 0.002 lb (5 × 0.001 kg) (5,000 × 1 g) (160 × 0.05 oz)	10 × 10 in	25 lb	\$1,385.00
63046†	25 × 0.005 lb (10 × 0.002 kg) (10,000 × 2 g) (400 × 0.10 oz)	10 × 10 in	25 lb	\$1,615.00
63045†	50 × 0.01 lb (25 × 0.005 kg) (25,000 × 5 g) (800 × 0.20 oz)	12 × 12 in	28 lb	\$1,710.00
63044†	100 × 0.02 lb (50 × 0.01 kg) (50,000 × 10 g) (1,600 × 0.50 oz)	12 × 12 in	28 lb	\$1,710.00



NEMA 5-15 plug

IQ Plus® 2100SL

Digital Bench Scale



IQ plus 2100SL with attachment bracket



IQ plus 2100 with tilt stand

IQ plus 2100 with column



Approvals

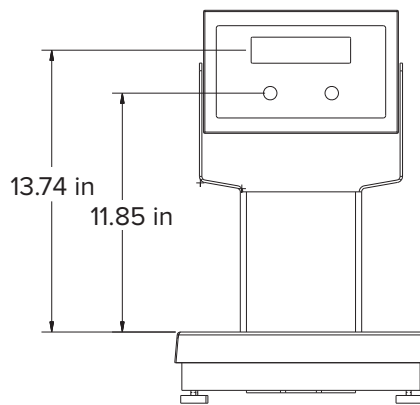
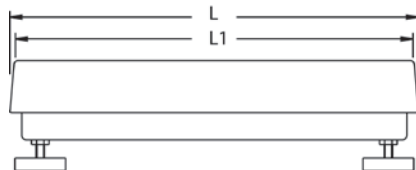


Measurement
Canada
Approved

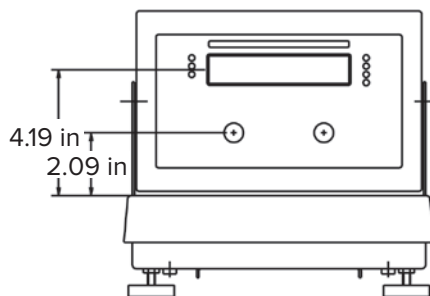
Dimensions

Platform Dimensions	L	L1
10 × 10 in	10.25 in	10 in
12 × 12 in	12.25 in	12 in

Note: 1 in=25.4 mm



With 12 in column



With attachment bracket

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
- 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

Specifications

Power:

Line Voltage 115 VAC

Frequency:

50/60 Hz

Power Consumption:

70 mA at 115 VAC (8 W)

Display Resolution:

10,000 graduations maximum

Digital Inputs:

Two inputs, TTL or switch closure, active-low

Scale Frame:

AISI304L, straight line finish, Ra=45 ± 10

Scale Cover:

AISI304L, straight line finish, Ra=45 ± 10

Serial Communications:

Full-duplex RS-232; 9600, 4800, 2400, 1200 bps; seven or eight data bits; even, odd or no parity

Display:

Six-digit LED display
Seven-segment, 0.8 in (20 mm) 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)

Rating/Material:

NEMA Type 4X/IP66, stainless steel

Load Cell:

Aluminum, environmentally sealed

Warranty:

Two-year limited

Approvals:

Indicator:

NTEP CC 00-045 Class III/IIIL 10,000 d
Measurement Canada, AM-5374;
UL and C-UL listed

Base:

NTEP CC 95-072, Class III 5,000 d

Part Number/Price

Part #	Capacity	Platform Size*	Est. Weight	Price
IQ plus 2100SL with tilt stand - 115 VAC				
65168[†]	5 × 0.001 lb (2.5 × 0.0005 kg) (2,500 × 0.5 g) (80 × 0.02 oz)	10 × 10 in	21 lb	\$1,520.00
65169[†]	10 × 0.002 lb (5 × 0.001 kg) (5,000 × 1 g) (160 × 0.05 oz)	10 × 10 in	21 lb	\$1,520.00
65170[†]	20 × 0.005 lb (10 × 0.002 kg) (10,000 × 2 g) (320 × 0.1 oz)	10 × 10 in	21 lb	\$1,520.00
65171[†]	30 × 0.01 lb (15 × 0.005 kg) (15,000 × 5 g) (480 × 0.1 oz)	10 × 10 in	21 lb	\$1,520.00
65172[†]	30 × 0.01 lb (15 × 0.005 kg) (15,000 × 5 g) (480 × 0.1 oz)	12 × 12 in	24 lb	\$1,615.00
65173[†]	50 × 0.01 lb (25 × 0.005 kg) (25,000 × 5 g) (800 × 0.20 oz)	12 × 12 in	24 lb	\$1,615.00
65174[†]	100 × 0.02 lb (50 × 0.01 kg) (50,000 × 10 g) (1,600 × 0.50 oz)	12 × 12 in	24 lb	\$1,615.00
IQ plus 2100SL with attachment bracket - 115 VAC				
65175[†]	5 × 0.001 lb (2.5 × 0.0005 kg) (2,500 × 0.5 g) (80 × 0.02 oz)	10 × 10 in	21 lb	\$1,620.00
65176[†]	10 × 0.002 lb (5 × 0.001 kg) (5,000 × 1 g) (160 × 0.05 oz)	10 × 10 in	21 lb	\$1,620.00
65177[†]	20 × 0.005 lb (10 × 0.002 kg) (10,000 × 2 g) (320 × 0.1 oz)	10 × 10 in	21 lb	\$1,620.00
65178[†]	30 × 0.01 lb (15 × 0.005 kg) (15,000 × 5 g) (480 × 0.1 oz)	10 × 10 in	21 lb	\$1,620.00
65179[†]	30 × 0.01 lb (15 × 0.005 kg) (15,000 × 5 g) (480 × 0.1 oz)	12 × 12 in	24 lb	\$1,715.00
65180[†]	50 × 0.01 lb (25 × 0.005 kg) (25,000 × 5 g) (800 × 0.20 oz)	12 × 12 in	24 lb	\$1,715.00
65181[†]	100 × 0.02 lb (50 × 0.01 kg) (50,000 × 10 g) (1,600 × 0.50 oz)	12 × 12 in	24 lb	\$1,715.00
IQ plus 2100SL with 12 in column - 115 VAC				
65182[†]	5 × 0.001 lb (2.5 × 0.0005 kg) (2,500 × 0.5 g) (80 × 0.02 oz)	10 × 10 in	23 lb	\$1,665.00
65183[†]	10 × 0.002 lb (5 × 0.001 kg) (5,000 × 1 g) (160 × 0.05 oz)	10 × 10 in	23 lb	\$1,665.00
65184[†]	20 × 0.005 lb (10 × 0.002 kg) (10,000 × 2 g) (320 × 0.1 oz)	10 × 10 in	23 lb	\$1,665.00
65185[†]	30 × 0.01 lb (15 × 0.005 kg) (15,000 × 5 g) (480 × 0.1 oz)	10 × 10 in	23 lb	\$1,665.00
65186[†]	30 × 0.01 lb (15 × 0.005 kg) (15,000 × 5 g) (480 × 0.1 oz)	12 × 12 in	26 lb	\$1,760.00
65187[†]	50 × 0.01 lb (25 × 0.005 kg) (25,000 × 5 g) (800 × 0.20 oz)	12 × 12 in	26 lb	\$1,760.00
65188[†]	100 × 0.02 lb (50 × 0.01 kg) (50,000 × 10 g) (1,600 × 0.50 oz)	12 × 12 in	26 lb	\$1,760.00



NEMA 5-15 plug

CHECKWEIGHERS

CW-90

Over/Under Checkweigher



Specifications

Power AC:

Line Voltages: 115/230 VAC

Frequency:

50/60 Hz

Power Consumption:

1.5 A at 115 VAC (8 W)

0.75 A at 230 VAC (8 W)

Measurement Rate:

960, 480, 240, 120, 60, 30, 15, 7.5 per second

System Linearity:

±0.01% full scale

Digital I/O:

Four channels on CPU board

Circuit Protection:

RFI, EMI, ESD protection

Display:

Large 0.8 in, 14 segment, six digit high-intensity red LED display

Scale Frame:

AISI304L, straight line finish, Ra=45 ± 10

Scale Cover:

AISI304L, straight line finish, Ra=45 ± 10

Annunciators:

Designators for %, kg, gm, lb, oz, center of zero, G/B, N, T, PT, neg, motion

Operating :

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

Rating/Material:

IP66, stainless steel

Resolution:

Display: 100,000

Load Cell:

Aluminum, environmentally sealed

Warranty:

Two-year limited

Approvals:

Indicator:

NTEP 08-092, Class III/IIIL 10,000 d

Measurement Canada AM-5710, Class III 10,000 d

OIML R76/2006-GBI-10.02

TC11569

cULus listed

CE marked

Scale:

NTEP 95-072, Class III 5,000 d

Measurement Canada AM-5082

NSF

Approvals



Measurement
Canada
Approved



EU
LEGAL
FOR TRADE
CERTIFIED



Standard Features

- Membrane keypad consisting of: zero, units, print, tare, over, under, ID, target, 0-9, clear, decimal, enter, menu, power
- 304 stainless steel, IP66 rated indicator
- PreVent™ breather vent
- Storage for up to 50 IDs
- Unit of measure: kg, gm, lb, oz, lb/oz (lb/oz is not Legal for Trade)
- High-intensity LED display
- Battery backed time and date
- Two full-duplex RS-232 serial ports
- Configurable print formats
- Audit trail tracking
- Optional communications: Ethernet, USB or fiber -optic
- Four configurable Digital I/O
- Reflash memory to upgrade firmware
- Auto-print capability
- Accumulator
- Factory calibrated

Scale

- Aluminum, environmentally sealed load cell
- 304 stainless steel
- Meets HACCP requirements
- Five-point overload protection

Part Number/Price

Part #	Capacity	Platform Dimensions	Column Height	Est. Weight	Price
115 VAC					
105957[†]	5 × 0.001 lb (2.5 × 0.0005 kg) or (80 × 0.02 oz)	10 × 10 × 4.25 in	12 in	29 lb	\$1,835.00
105958[†]	10 × 0.002 lb (5 × 0.001 kg) or (160 × 0.05 oz)	10 × 10 × 4.25 in	12 in	29 lb	\$1,835.00
105959[†]	25 × 0.005 lb (10 × 0.002 kg) or (400 × 0.1 oz)	10 × 10 × 4.25 in	12 in	29 lb	\$1,835.00
105960[†]	25 × 0.005 lb (10 × 0.002 kg) or (400 × 0.1 oz)	12 × 12 × 4.25 in	12 in	33 lb	\$1,930.00
105961[†]	50 × 0.01 lb (25 × 0.005 kg) or (800 × 0.2 oz)	12 × 12 × 4.25 in	12 in	33 lb	\$1,930.00
105962[†]	100 × 0.02 lb (50 × 0.01 kg) or (1,600 × 0.5 oz)	12 × 12 × 4.25 in	12 in	33 lb	\$1,930.00
230 VAC					
118891[†]	2.5 × 0.0005 kg (5 × 0.001 lb) or (80 × 0.02 oz)	10 × 10 × 4.25 in	12 in	29 lb	\$1,835.00
118892[†]	5 × 0.001 kg (10 × 0.002 lb) or (160 × 0.05 oz)	10 × 10 × 4.25 in	12 in	29 lb	\$1,835.00
118893[†]	10 × 0.002 kg (25 × 0.005 lb) or (400 × 0.1 oz)	10 × 10 × 4.25 in	12 in	29 lb	\$1,835.00
118895[†]	10 × 0.002 kg (25 × 0.005 lb) or (400 × 0.1 oz)	12 × 12 × 4.25 in	12 in	33 lb	\$1,930.00
118896[†]	25 × 0.005 kg (50 × 0.01 lb) or (800 × 0.2 oz)	12 × 12 × 4.25 in	12 in	33 lb	\$1,930.00
118897[†]	50 × 0.01 kg (100 × 0.02 lb) or (1,600 × 0.5 oz)	12 × 12 × 4.25 in	12 in	33 lb	\$1,930.00
230 VAC CE marked/OIML approved					
106123^{††}	3 × 0.001 kg	254 × 254 × 108 mm	305 mm	13.2 kg	\$1,835.00
106124^{††}	6 × 0.002 kg	254 × 254 × 108 mm	305 mm	13.2 kg	\$1,835.00
106125^{††}	15 × 0.005 kg	254 × 254 × 108 mm	305 mm	13.2 kg	\$1,835.00
106126^{††}	15 × 0.005 kg	305 × 305 × 108 mm	305 mm	15 kg	\$1,930.00
106127^{††}	30 × 0.01 kg	305 × 305 × 108 mm	305 mm	15 kg	\$1,930.00
106128^{††}	60 × 0.02 kg	305 × 305 × 108 mm	305 mm	15 kg	\$1,930.00



[†] NEMA 5-15 plug

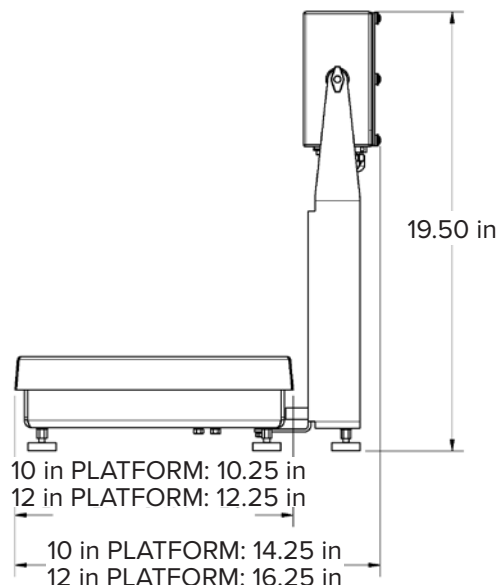
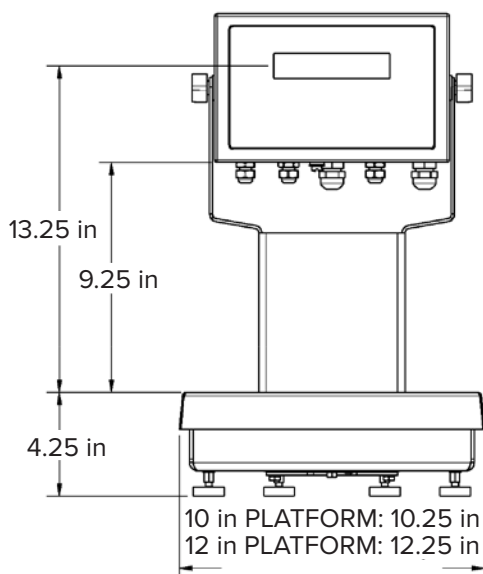


^{††} CEE 7/7 plug

Options/Accessories

Part #	Description	Price
200578	Ethernet TCP/IP and cable with attached cord grip	\$440.00
77142	Ethernet TCP/IP card	\$545.00
206272	Wireless LAN card RS232/Wi-Fi 802.11 a/b	\$610.00
171968	Firmware download cable	\$39.00
96736	Fiber-optic board	\$250.00
78026	Fiber-optic, duplex cable 100 ft	\$185.00
80892	Fiber-optic cutter	\$15.00
117358	WeighVault™ (requires part number 200578, 77142 or 206272)	\$265.00

Note: 1 in=25.4 mm



CW-90X

Over/Under Washdown Checkweigher



Specifications

Power AC:

Line Voltages: 115/230 VAC

Frequency:

50/60 Hz

Power Consumption:

1.5 A at 115 VAC (8 W)

0.75 A at 230 VAC (8 W)

Measurement Rate:

960, 480, 240, 120, 60, 30, 15, 7.5 per second

System Linearity:

±0.01% full scale

Digital I/O:

Four channels on CPU board

Circuit Protection:

RFI, EMI, ESD protection

Display:

Large 0.8 in, 14 segment, six digit high-intensity red LED display

Scale Frame:

AISI304L, straight line finish, Ra=45 ± 10

Scale Cover:

AISI304L, straight line finish, Ra=45 ± 10

Annunciators:

Designators for %, kg, gm, lb, oz, center of zero, G/B, N, T, PT, neg, motion

Operating Temperature:

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

Rating/Material:

IP69K, stainless steel

Resolution:

Display: 100,000

Load Cell:

Stainless steel, hermetically sealed

Warranty:

Three-year limited

Approvals:

Indicator:

NTEP CC 08-092, Class III/IIIL 10,000 d

Measurement Canada AM-5710, Class III 10,000 d

OIML R76/2006-GBI-10.02

TC11569

cULus Listed

CE Marked

Scale:

NTEP CC 95-072, Class III 5,000 d

Measurement Canada AM-5082

NSF

Approvals



Measurement
Canada
Approved



EU
LEGAL
FOR TRADE
CERTIFIED



Standard Features

- Piezo keypad consisting of: zero, units, print, tare, over, under, ID, target, enter, menu, power
- 304 stainless steel, IP69K rated indicator
- PreVent™ breather vent
- Storage for up to 50 IDs
- Unit of measure: kg, gm, lb, oz, lb/oz (lb/oz is not Legal for Trade)
- High-intensity LED display
- Battery backed time and date
- Two full-duplex RS-232 serial ports
- Configurable print formats
- Audit trail tracking
- Optional communications: Ethernet, USB or Fiber-optic
- Four configurable Digital I/O
- Reflash memory to upgrade firmware
- Auto print capability
- Accumulator
- Factory calibrated

Scale Base

- IP69K, stainless steel, hermetically sealed load cell
- 304 stainless steel
- Meets HACCP requirements
- Five point overload protection

Part Number/Price

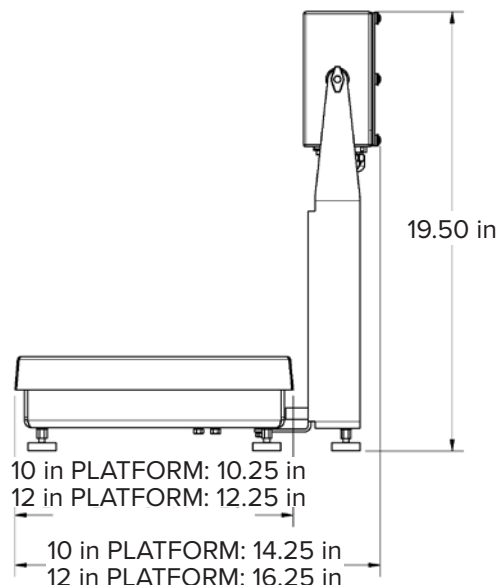
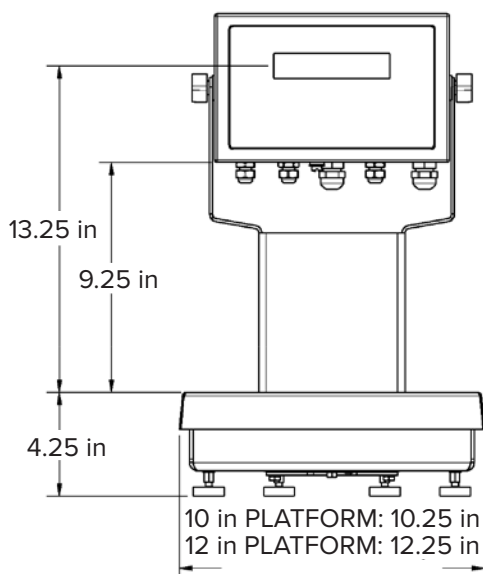
Part #	Capacity	Platform Dimensions	Column Height	Est. Weight	Price
115 VAC					
105963[†]	5 × 0.001 lb (2.5 × 0.0005 kg) or (80 × 0.02 oz)	10 × 10 × 4.25 in	12 in	29 lb	\$2,475.00
105965[†]	10 × 0.002 lb (5 × 0.001 kg) or (160 × 0.05 oz)	10 × 10 × 4.25 in	12 in	29 lb	\$2,475.00
105966[†]	25 × 0.005 lb (10 × 0.002 kg) or (400 × 0.1 oz)	10 × 10 × 4.25 in	12 in	29 lb	\$2,475.00
105967[†]	25 × 0.005 lb (10 × 0.002 kg) or (400 × 0.1 oz)	12 × 12 × 4.25 in	12 in	33 lb	\$2,570.00
105968[†]	50 × 0.01 lb (25 × 0.005 kg) or (800 × 0.2 oz)	12 × 12 × 4.25 in	12 in	33 lb	\$2,570.00
105969[†]	100 × 0.02 lb (50 × 0.01 kg) or (1,600 × 0.5 oz)	12 × 12 × 4.25 in	12 in	33 lb	\$2,570.00
230 VAC					
118899[†]	2.5 × 0.0005 kg (5 × 0.001 lb) or (80 × 0.02 oz)	10 × 10 × 4.25 in	12 in	29 lb	\$2,475.00
118900[†]	5 × 0.001 kg (10 × 0.002 lb) or (160 × 0.05 oz)	10 × 10 × 4.25 in	12 in	29 lb	\$2,475.00
118901[†]	10 × 0.002 kg (25 × 0.005 lb) or (400 × 0.1 oz)	10 × 10 × 4.25 in	12 in	29 lb	\$2,475.00
118902[†]	10 × 0.002 kg (25 × 0.005 lb) or (400 × 0.1 oz)	12 × 12 × 4.25 in	12 in	33 lb	\$2,570.00
118903[†]	25 × 0.005 kg (50 × 0.01 lb) or (800 × 0.2 oz)	12 × 12 × 4.25 in	12 in	33 lb	\$2,570.00
118904[†]	50 × 0.01 kg (100 × 0.02 lb) or (1,600 × 0.5 oz)	12 × 12 × 4.25 in	12 in	33 lb	\$2,570.00
230 VAC CE marked/OIML approved					
106129^{††}	3 × 0.001 kg	254 × 254 × 108 mm	305 mm	13.2 kg	\$2,475.00
106130^{††}	6 × 0.002 kg	254 × 254 × 108 mm	305 mm	13.2 kg	\$2,475.00
106131^{††}	15 × 0.005 kg	254 × 254 × 108 mm	305 mm	13.2 kg	\$2,475.00
106132^{††}	15 × 0.005 kg	305 × 305 × 108 mm	305 mm	15 kg	\$2,570.00
106133^{††}	30 × 0.01 kg	305 × 305 × 108 mm	305 mm	15 kg	\$2,570.00
106134^{††}	60 × 0.02 kg	305 × 305 × 108 mm	305 mm	15 kg	\$2,570.00



Options/Accessories

Part #	Description	Price
200578	Ethernet TCP/IP and cable with attached cord grip	\$440.00
77142	Ethernet TCP/IP card	\$545.00
206272	Wireless LAN card RS232/Wi-Fi 802.11 a/b	\$610.00
171968	Firmware download cable	\$39.00
96736	Fiber-optic board	\$250.00
78026	Fiber-optic, duplex cable 100 ft	\$185.00
80892	Fiber-optic cutter	\$15.00
117358	WeighVault™ (requires part number 200578, 77142 or 206272)	\$265.00

Note: 1 in=25.4 mm



This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.