

BenchMark® HE-X Hostile Environment Extreme Bench Scale

RICE LAKE
WEIGHING SYSTEMS

*As of: Tuesday, February 18,
2025*



Standard Features

- IP69K stainless steel load cell
- Rugged washdown design, rigid 304 stainless steel frame and cover constructed with continuous welds
- Four adjustable stainless steel support feet
- Meets Sanitary Design Principles
- Meets HACCP requirements

Approvals



WARNING:
Cancer
and
Reproductive
Harm
California
Proposition
65

Extreme Clean Bench Scale

Equipment used in highly sanitary conditions needs a strong defense against microscopic bacteria. Rice Lake's BenchMark HE-X bench scale is designed to meet strict sanitary design principles, withstanding extreme washdown demands.

Built for highly sanitary environments, the BenchMark HE-X is made from 304 stainless steel. The frame is made from solid stainless steel plates connected with continuous welds. An IP69K hermetically sealed load cell is protected from production materials and washdown chemicals. The BenchMark HE-X open design and no exposed threads mean product and bacteria have nowhere to hide.

The BenchMark HE-X bench scale is easy to clean and won't be pushed around during high-pressure washdown because of the heavy steel frame. This scale also has an easily removable cover, making it perfect for extreme sanitary environments.

BenchMark HE-X Specifications

Load Cell, NTEP Certified:

IP69K stainless steel, hermetically sealed

Scale Frame:

AISI304L, glass bead blasted for even appearance

Temperature:

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

Output Impedance:

1,000 ohm

Scale Cover:

AISI304L, straight line finish,
Ra=45 ± 10

Warranty:

Three-year limited (includes water ingress)

Maximum Overload:

150% to 200% depending on capacity

Cable Length:

10 ft (3 m)

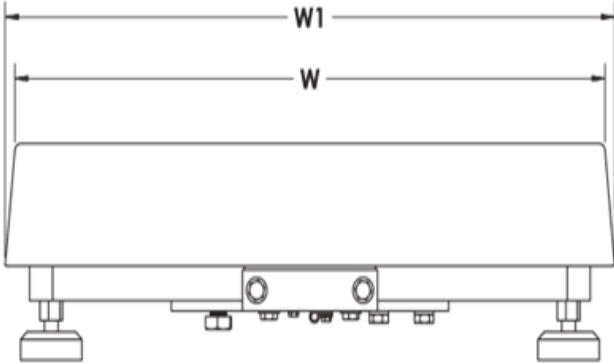
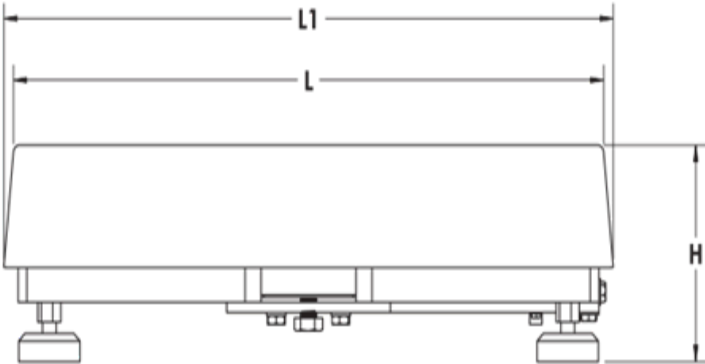
Approvals:

Load cell is FM approved

Overload Protection:

Five-point, independently adjusted

BenchMark HE-X Dimensions



12 in x 12 in			
H	5.25 in (133 mm)	W	18.00 in (457 mm)
L	12.00 in (305 mm)	W1	18.50 in (470 mm)
L1	12.50 in (318 mm)		
18 in x 18 in			
H	5.25 in (133 mm)	W	18.00 in (457 mm)
L	18.00 in (457 mm)	W1	18.75 in (476 mm)
L1	18.75 in (476 mm)		
18 in x 24 in			
H	5.25 in (133 mm)	W	24.00 in (610 mm)
L	18.00 in (457 mm)	W1	24.75 in (629 mm)
L1	18.75 in (476 mm)		

24 in x 24 in

H	5.25 in (133 mm)	W	24.00 in (610)
L	24.00 in (610 mm)	W1	24.75 in (629 mm)
L1	24.75 in (629 mm)		

Note: 1 in = 25.4 mm

Parts

Part #	Description
192346	Scale, BENCHMARK HE-X BMX1218S-50 12x18x5-1/4 50lb 10ft SST
192347	Scale, BENCHMARK HE-X BMX1218S-100 12x18x5-1/4 100lb 10ft SST
191455	Scale, BENCHMARK HE-X BMX1818S-50 18x18x5-1/4 50lb 10ft SST
191456	Scale, BENCHMARK HE-X BMX1818S-100 18x18x5-1/4 100lb 10ft SST
191457	Scale, BENCHMARK HE-X BMX1818S-150 18x18x5-1/4 150lb 10ft SST
191458	Scale, BENCHMARK HE-X BMX1818S-200 18x18x5-1/4 200lb 10ft SST
191459	Scale, BENCHMARK HE-X BMX1818S-250 18x18x5-1/2 250lb 10ft SST
191460	Scale, BENCHMARK HE-X BMX1818S-300 18x18x5-1/2 300lb 10ft SST
191461	Scale, BENCHMARK HE-X BMX1818S-500 18x18x5-1/2 500lb 10ft SST
191462	Scale, BENCHMARK HE-X BMX1818S-1000 18x18x5-1/2 1000lb 10ft SST
191467	Scale, BENCHMARK HE-X BMX1824S-50 18x24x5-1/4 50lb 10ft SST
191469	Scale, BENCHMARK HE-X BMX1824S-100 18x24x5-1/4 100lb 10ft SST
191470	Scale, BENCHMARK HE-X BMX1824S-150 18x24x5-1/4 150lb 10ft SST
191472	Scale, BENCHMARK HE-X BMX1824S-200 18x24x5-1/4 200lb 10ft SST
191473	Scale, BENCHMARK HE-X BMX1824S-250 18x24x5-1/2 250lb 10ft SST
191474	Scale, BENCHMARK HE-X BMX1824S-300 18x24x5-1/2 300lb 10ft SST
191475	Scale, BENCHMARK HE-X BMX1824S-500 18x24x5-1/2 500lb 10ft SST
191476	Scale, BENCHMARK HE-X BMX1824S-1000 18x24x5-1/2 1000lb 10ft SST
191479	Scale, BENCHMARK HE-X BMX2424S-100 24x24x5-1/4 100lb 10ft SST
191480	Scale, BENCHMARK HE-X BMX2424S-150 24x24x5-1/4 150lb 10ft SST
191481	Scale, BENCHMARK HE-X BMX2424S-200 24x24x5-1/4 200lb 10ft SST
191482	Scale, BENCHMARK HE-X BMX2424S-250 24x24x5-1/2 250lb 10ft SST
191483	Scale, BENCHMARK HE-X BMX2424S-300 24x24x5-1/2 300lb 10ft SST
191485	Scale, BENCHMARK HE-X BMX2424S-500 24x24x5-1/2 500lb 10ft SST

Part #	Description
191486	Scale, BENCHMARK HE-X BMX2424S-1000 24x24x5-1/2 1000lb 10ft SST

Options

Part #	Description
112044	Column,12 Inch SST Kit OPT Benchmark, Benchmark (SL/HE/HE-X), CW-80B, CW-90B, CW-90XB to IQ+210, CW-90I, CW-90XI, 480/482, 680/682, 380/380X
112045	Column,18 Inch SST Kit OPT Benchmark, Benchmark (SL/HE/HE-X), CW-80B, CW-90B, CW-90XB to IQ+210, CW-90I, CW-90XI,480/482, 680/682, 380/380X
196363	Column,12 Inch SST Kit OPT Benchmark, Benchmark (SL/HE), CW-80B, CW-90B, CW-90XB to 882IS/882IS PLUS with battery
196364	Column,18 Inch SST Kit OPT Benchmark, Benchmark (SL/HE), CW-80B, CW-90B, CW-90XB to 882IS/882IS PLUS with battery
197484	Column,18 Inch SST Kit OPT Benchmark, Benchmark (SL/HE), CW-80B, CW-90B, CW-90XB to 882IS/882IS PLUS with power supply (power supply will not be mounted to the column), 880/880 Plus Universal
197482	Column,12 Inch SST Kit OPT Benchmark, Benchmark (SL/HE), CW-80B, CW-90B, CW-90XB to 882IS/882IS PLUS with power supply option (power supply will not be mounted to the column), 880/880 Plus Universal
106475	Spacer,Column Support 1/2 Dia x 1 Long SST
NA	Ball transfer and roller conveyor top

Replacement Parts

Part # Description

BenchMark HE-X Replacement Parts

192293	Frame,Top Bench Scale 12x18 HE-X SST
191534	Frame,Top Bench Scale 18x18 HE-X SST
191815	Frame,Top Bench Scale 18x24 HE-X SST
191781	Frame,Top Bench Scale 24x24 HE-X SST
192287	Frame,Bottom Bench Scale 12x18 SST HE-X 300lb Max
191522	Frame,Bottom Bench Scale 18x18 SST HE-X 300lb Max
191649	Frame,Bottom Bench Scale 18x18 SST HE-X 500lb-1,000lb
191814	Frame,Bottom Bench Scale 18x24 SST HE-X 300lb Max
191872	Frame,Bottom Bench Scale 18x24 SST HE-X 500lb-1,000lb
191770	Frame,Bottom Bench Scale 24x24 SST HE-X 300lb Max
191807	Frame,Bottom Bench Scale 24x24 SST HE-X 500lb-1,000lb
191519	Shim,.1196x2.07x2.90 SST For RLPCBC Load Cell
191518	Nut,CPLG 1/2-20NF x .480 5/8 Hex SST
191885	Foot,BenchMark HE-X Polyurethane Rubber 1.875Dia 1/2-20 UNF SST, 2.13 Height, Foot 74585 Turned Down And Shortened
87022	Load Cell, SPT RLPCBC-60 50kg 2 mv/v 1000 ohm 10 ft SS HS FM IP69K NTEP III 5 S
87023	Load Cell, SPT RLPCBC-60 100kg 2 mv/v 1000 ohm 10 ft SS HS FM IP69K NTEP III 5 S
87024	Load Cell, SPT RLPCBC-60 250kg 2 mv/v 1000 ohm 10 ft SS HS FM IP69K NTEP III 5 S
87025	Load Cell, SPT RLPCBC-60 500kg 2 mv/v 1000 ohm 10 ft SS HS FM IP69K NTEP III 5 S
87026	Load Cell, SPT RLPCBC-60 1000kg 2 mv/v 1000 ohm 10 ft SS HS FM IP69K NTEP III 5 S
15154	Washer,Lock 5/16 Regular Helical Spring SST ID=.317-.326 OD=.586max Thickness=.078
49789	Screw,Cap 5/16-18NC x 1-1/4 Hex Head Fully Threaded 18-8 SST
15409	Clamp,Cable NO 8 Hole Nylon
184359	Screw,8-32 x 1/4 Hex Head 18-8 SST

Part #	Description
15132	Washer,Lock NO 8 Type A Internal Tooth SST ID=.168-.176 OD=.325-.340 Thickness=.018-.023
189464	Screw,Machine 8-32x3/8 Unslotted Drive Hex Trim Head 18-8 SST
183530	Screw,Cap 1/2-20NFx0.50 HEX Head Fully Threaded ASTM F593 Alloy Group I Cold Worked SST
187195	Level,Spirit Bubble Bulls Eye W/Flange Plastic 21x16.5x9.5mm
14963	Screw,Cap 1/4-20NCx3/4 HEX Head Fully Threaded ASTM F593 Alloy Group 1 Cold Worked SST
15149	Washer,Plain STD 1/4 SST ID=.266 OD=.625 Thickness=.050
105555	Nut,CPLG 1/4-20NC x .400 3/8 Hex With .265 Counterbore SST
186936	Cover,Top Bench Scale 12x 18 HE
19094	Cover,Top Bench Scale 18 X 18 SST
19095	Cover,Top Bench Scale 18 X 24 SST
19096	Cover,Top Bench Scale 24x 24 SST
151269	Screw,Cap 1/4-20NCX1-1/4 Hex Head 18-8 SST
14954	Screw,Cap 1/4-20NC x 3/8 Hex Head 18-8 SST

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