

Single Point Bench Scale

FEATURES

- Rugged square structural tubing scale base
- USDA approved 304 stainless steel option
- Integral bubble level
- Compatible with all BLH Nobel transmitters, indicators, and network products
- Optional 304 stainless steel clamshell shield for load cell washdown protection

APPLICATIONS

- Measure small batch additives
- Pilot plant vessel weighing
- Container filling systems
- Food/pharmaceutical processing

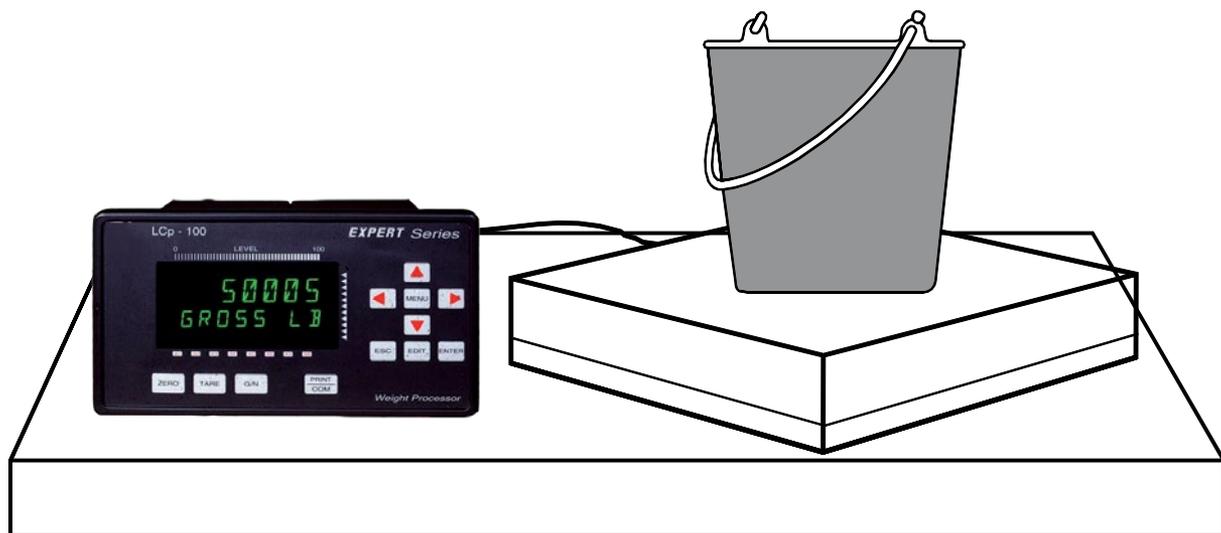
DESCRIPTION

PLB bench scales are designed for high accuracy and repeatability in harsh industrial environments. Standard units are equipped with a stainless steel weighing surface, built-in shock and overload protection, and adjustable mounting feet with bubble leveling.



Low capacity 10" x 10" bench scales feature all stainless steel construction, including the scale base. Optionally, medium capacity scales are available with stainless steel base assemblies that meet USDA requirements and load cell "clamshell" shields for added protection in washdown environments.

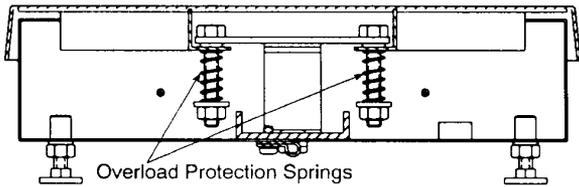
CONFIGURATION

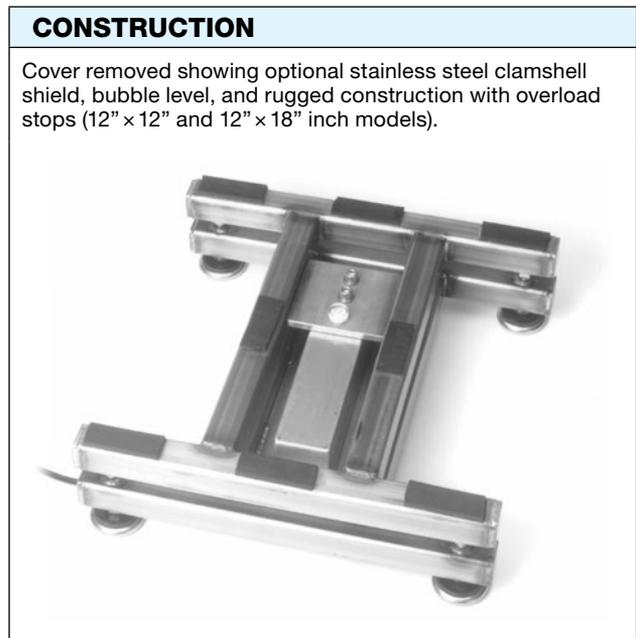


Single Point Bench Scale

SPECIFICATIONS	
PARAMETER	VALUE
Rated Output	0.91 mV/V
Repeatability	0.015% of rated output
Hysteresis	0.015% of rated output
Non-Linearity	0.015% of rated output
Creep	0.025% of rated output
Maximum Overload	200%
Overload Protection	5 point independently adjusted (shock absorbing spider 10" x 10")
Output Impedance	350 Ω (+3 Ω)
Input Impedance	415 Ω (+15 Ω)
COMPENSATED TEMPERATURE	
Range	+14°F to +122°F
Safe Temperature Range	-22°F to +158°F
Cable Length	10 ft – 6 wire shielded
Recommended Excitation	10 V
APPROVALS	
FM certified versions are available upon request. For details contact blhnobel@vpgsensors.com . NOTE: On a special order basis, units are available with approval for Class I and II, Division 1 hazardous areas.	

CABLE CONNECTION	
All models come with ten feet of color coded load cell cable. The color code for six- and four-wire connection is as follows:	
SIX-WIRE COLOR CODE	
COLOR	FUNCTION
Red	+ Signal
White	- Signal
Green	+ Excitation
Black	- Excitation
Blue	+ Sense
Brown	- Sense
Yellow/Bare	Shield

DIMENSIONS		
		
SIZES	CAPACITY	HEIGHT
10" x 10"	5, 10, 15, 20 and 30 lb	3.15"
12" x 12"	30, 50 and 100 lb	3.62"
12" x 18"	50 and 100 lb	3.62"
18" x 18"	50, 100, 150, 200, 250, 300, 500 and 1000 lb	5.25"
18" x 24"	50, 100, 150, 200, 250, 300, 500 and 1000 lb	5.25"
24" x 24"	100, 150, 200, 250, 300, 500 and 1000 lb	5.25"



BLH Nobel is continually seeking to improve product quality and performance. Specifications may change accordingly.



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