Pro Shop Bow Scale

Proper-use Instructions

October Mountain Products®

PRO TOOLS

50 kg / 100 kg / 200 kg/300kg

1. OVERVIEW

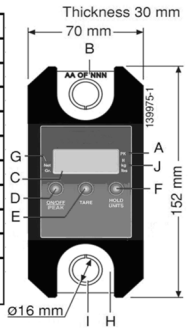
The micro-weigh OCS-8A is a professional force sensor used to measure tensile forces and indicate loads.

The device includes:

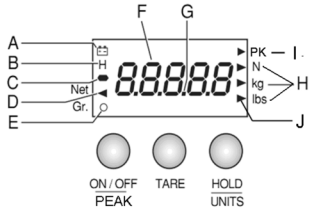
a) the micro-weigher
b) one locking alloy hook and one "S" shape alloy hook.
c) operating and maintenance instructions manual.

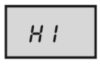
2. DESCRIPTIONS AND MARKINGS

A	PEAK
B	Serial No.
C	LCD screen
D	ON/OFF/ PEAK button
E	Tare button
F	Hold/unit button
G	Calibration information
H	Sensor body
I	Hole for accessories
J	Unit symbol
Back of device	Battery compartment cover Manufacturer's markings



3. DISPLAY





OVERLOAD

A	Battery indicator	F	Force value
B	Peak load indicator	G	Decimal pint
C	Measurement symbol	H	Unit
D	NET indicator (Net weight)	I	PK indicator(Activie peak data holding)
E	GROSS indicator (Gross Weight)	J	Unit indicator

4.TECHNICAL SPECIFICATIONS

Capacities	20 kg / 50 kg / 100 kg / 200 kg
Precision	+/- 0.5 % of measurement range
Protection index	IP 40
Operating Temperature range	-10 to + 50 °C
Power supply	2* AAA batteries
Display	LCD, 5 digits, 14 mm.

Characteristics of display in accordance with capacities:

Kg/lbs	300/675		50/110		100/220		200/440	
Unit	Kg	lbs /N	Kg	lbs /N	Kg	Lbs/N	Kg	lbs /N
Division	0.1	0.2/ 1	0.02	0.04/ 0.2	0.05	0.1/ 0.5	0.1	0.2/ 1
Min load	0.1	2.0/ 10	0.02	0.4/ 20	0.05	1.0/ 5.0	0.1	2.0/ 10
Max load	360	1053/ 3600	65	143.3/ 637	130	286.5/ 1274	260	573/ 2548

Beyond max, indication values, the screen indicates: HI.

Backlight Function	When Booting or weighing,the backlight will operate. And stopping weighing,the backlight will be auto-shut after 10 seconds.

5. SETTING INTO SERVICE

5.1 Starting and stopping the device

ON/OFF/PEAK	The button is used for switching on and off. While the unit power on, press the button and hold for 2 seconds to switch on the peak
Auto-OFF	While stopping weighing, the unit will switch off automatically after 2 minutes.

No.	DISPLAY	REMARKS
1	8.8.8.8.8.8	Power on. Display of all active segments. Reinitialisation of all functions. Display duration: 2 seconds.
2	200.0	Display of capacity in kg (e.g. 200 kg). Display duration: 2 seconds.
3	10.09	Display of last adjustment date(=YY.MM) (e.g.10.09: year 2010, September) Display duration: 2 seconds.
4	0.0	Device ready to operate. Default unit: the last "Gr." (GROSS measurement) indicator selected is activated.

5.2 Unit conversion Settings and hold data

No	DISPLAY	REMARKS
1	0.0	Device ready to operate. Unit indicator for Kg
2	0.0 0.0	Hold " HOLD/UNITS " key for 2 seconds, the unit index to the speed of a second in "kg", "lbs" and " N " move;While the Unit index stay in want unit, just loosen the " HOLD/UNITS " key.
3	25.0	The operator loads 25 kg of equipment in the recipient. after weighing stability, Press the " HOLD/UNITS " key once, lock the current weighing value, Then click " HOLD/UNITS "key again, unlock the current weighing value.

6. BASIC FUNCTIONS

6.1 Tare function

No	DISPLAY	REMARKS
1	0.0	Device ready to operate. No-load suspended "Gr." indicator (GROSS measurement) is activated.
2	25.0	A 25 kg recipient is currently suspended.
		The operator presses "TARE" key for 2 seconds. The value of the current weight measured is stored.
3	0.0	The display indicates "0.0". The "Net" indicator is activated.
4	55.0	The operator loads 55 kg of equipment in the recipient. The display indicates "55.0", i.e. the Net weight.
5	80.0	The operator presses the TARE key. The screen indicates "80.0", i.e. the GROSS weight. The "Net" indicator is deactivated and the "Gr." indicator is activated.
6	55.0	The operator presses the TARE key. The display indicates "55.0", i.e. the NET weight. By successively pressing the TARE button, the display switches back and forth the "Net" and the "Gr." indicators. The load can be increased in both conditions; the difference between "GROSS" and "NET" will always be the weight stored in step 3.
7	0.0	If the operator presses the TARE button for 2 seconds. New Tare: Return to step 3. The function is reinitiated (return to step 1) when the device is switched off.

Note: If a tare is defined, for example at 50% of the device capacity, therefore giving an indication of "0.0", if the load decreases, it will be indicated on the screen as a negative value. For example, a decrease of 25 kg will give an indication of "– 25.0".

6.2 Peak load function

No	DISPLAY	REMARKS
1	0.0	Device ready to operate. No force on device.
2	0.0	The operator presses the "ON/OFF/PEAK" button and hold for 2 seconds. The measurement frequency goes to 30 Hertz. The filtering function is deactivated. The Tare function is not usable.
3	34.5	Apply a variable pulling force to the device. Release any force on the device. The value of the maximum force remains frozen on the screen.
4	0.0	To exit the function: press the ON/OFF button and hold for 2 seconds. The measurement frequency returns to 3 Hertz. Return to step 1. The function is reinitiated (return to step 1) when the device is switched off.

7. ADJUSTMENT

The adjustment frequency of the device depends on the local regulations and the extent to which the device is used.
The device can be checked and readjusted if necessary.

7.1 Adjustment procedure

- ON/OFF/PEAK: Start-Stop button and Peak load
- TARE: Tare function button
- HOLD/UNITS: Hold data and unlock data /unit conversion

1	Switch off the device.
2	No load should be suspended.
3	Press "ON/OFF/PEAK" and "HOLD/UNITS" simultaneously for 3 seconds.
4	The display indicates the maximum over-load capacity of the device; Show "CAL" two seconds, and then shows zero "AD" value.
5	Press the "TARE" again.
6	The"-_ _-"symbol flashes for around two seconds, and then the maximum capacity is displayed.
7	Suspend a load corresponding to the maximum capacity of the device.
8	Press "TARE" key, the display indicates "_- -_", and then show "PASS" for 3 seconds.
9	Configuring the adjustment date: the display indicates date (YY.MM). When the first digit (YY) is flashing, press "HOLD/UNITS" to select the wanted digit. Press "TARE" to go on the next digit (MM). Continue to complete the adjustment date in the same way.
10	Press "TARE" to exit the date configuration mode; the display indicates "END".
11	Await the device to switch off automatically.
12	The adjustment process is completed.

8. REPLACING THE BATTERIES

The battery indicator flashes while the batteries are low, please just replace the batteries.

- Open the battery door by Phillips screwdriver and remove the batteries.
- Insert two pieces of new "AAA" batteries, and look out for the polarities.
- Close the battery door and tighten the screw.