

## Caisson Gauge - 8.5" Plastic Case Premium Design

8.5" diameter premium design black acetal plastic case caisson pressure gauge for mounting inside hyperbaric chambers, caissons, living chambers & decompression chambers to measure the simulated depth (pressure) inside the chamber. This design of gauge can also be used to measure the pressure within a pressure system operating inside the chamber.

The gauge is designed to be surface mounted within the chamber and is constructed around the workings of a conventional bourdon tube pressure gauge. This design allows the instrument to be [bench calibrated](#) in a similar fashion to other oxygen cleaned bourdon tube pressure gauges.

This premium black acetal plastic case design caisson gauge features a large internally sealed pressure reference chamber and is supplied as standard with a 1/4" NPT male process connection (alternative connections available) which is left open to the atmosphere within the chamber when chamber pressure is to be measured.

Alternatively connection can be made to a separate pressure system within the chamber such as bottled gas or hydraulic lines etc if the pressure within these systems needs to be monitored. As an alternative to the 1/4" NPT Male thread, this gauge can be supplied with a 1/4" female thread recessed into the case for improved aesthetics if required.

This gauge also features zero adjustment of the pointer through the front window as standard and a side mounted balance valve to refresh the internal reference chamber if required. Please note that this gauge is calibrated to sea water with a specific gravity of 1.025 unless specified otherwise.

Since the internal case is sealed, no separate reference chamber is required within the case making the overall construction lighter than the stainless steel case version at just 2.4Kg.

Whilst the body of the case is black acetal plastic, the surface mounting flange and narrow front flange can be optionally supplied in red, green & yellow. A panel mount 3-hole front flange option is also available.

This gauge conforms to the [IMCA \(International Marine Contractors Association\) Diving Division](#) Detailed Sheet Number 18 as per the IMCA Code of Practice on The Initial & Periodic Examination, Testing & Certification of Diving Plant & Equipment.

### Standard Ranges:

0-10 MSW / 33 FSW

0-16 MSW / 53 FSW

0-25 MSW / 83 FSW

0-40 MSW / 133 FSW

0-70 MSW / 232 FSW

0-90 MSW / 298 FSW

0-100 MSW / 332 FSW

0-110 MSW / 365 FSW

0-160 MSW / 530 FSW

0-240 MSW / 796 FSW

0-260 MSW / 862 FSW

0-390 MSW / 1293 FSW

0-400 MSW / 1326 FSW

0-450 MSW / 1478 FSW



<b>Model Number</b>	ASH26 Series
<b>Nominal Size</b>	8.5" Diameter
<b>Surface Mount</b>	Surface Mount 3-Hole Back Flange
<b>Panel Mount</b>	Panel Mount 3-Hole Front Flange
<b>Standard Ranges</b>	See Text Above
<b>Scale</b>	Feet Outer / Meters Inner
<b>Working Pressure</b>	Static Load 100%, Fluctuating 90%
<b>Accuracy</b>	Class 0.25 to EN837-1 (0.25% Full Scale Deflection)
<b>Specific Gravity</b>	An SG of 1.025 Will Be Assumed Unless Specified Otherwise
<b>Ambient Temperature</b>	-20/+60C
<b>Process Temperature</b>	-20/+60C
<b>Calibration Temperature</b>	20C
<b>Temperature Effect</b>	Approximately 0.3% FSD +/-10C From Calibration Temperature
<b>Case Material</b>	Black Acetal Plastic Case
<b>Bezel</b>	Black Acetal Plastic Bezels
<b>Wetted Parts</b>	Copper Beryllium
<b>Dial &amp; Pointer</b>	Aluminium
<b>Window</b>	Instrument Glass
<b>Connection</b>	1/4" NPT Male
<b>Cleaning</b>	Degreased & Dial Marked With Crossed Oil Can
<b>Ingress Protection</b>	IP65
<b>Calibration</b>	Supplied Complete With Point to Point Calibration Certificate
<b>Weight</b>	2.4Kg
<b>Option 1 - Ranges</b>	Different Ranges or Single Scales
<b>Option 2 - Logo Dials</b>	Company Name Or Logo Printed On Dial
<b>Option 3 - Oxygen Use</b>	Fully Degreased For Oxygen Use & Dial Marked
<b>Option 4 - Connection</b>	All Standard Thread Options Available Male or Female
<b>Option 5 - Colours</b>	Surface Mounting Flange & Narrow Window Bezel Can Be Supplied In: . Red . Greed . Yellow



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