

## ANALOG INSTRUMENT USER MANUAL


**WARNINGS**

IMPROPER OR UNTRAINED USE OF SHERWOOD SCUBA ANALOG INSTRUMENTS MAY RESULT IN SERIOUS INJURY OR DEATH. THOROUGHLY READ AND UNDERSTAND THIS USER MANUAL BEFORE SCUBA DIVING.  
DO NOT USE ANALOG INSTRUMENTS UNDER LOW VISIBILITY CONDITIONS.  
THE PRESSURE GAUGE IS ONLY APPROVED FOR USE WITH COMPRESSED AIR CONFORMING TO EN12021  
AND CANNOT BE USED WITH NITROX / O2 MIXTURES EXCEEDING 22% OXYGEN.

**SPG WITH HOSE****1. DESCRIPTION**

- Please see Page 2 for applicable models
- Nylon-glass filled housing
- Shatterproof lens
- Shock resistant Bourdon tube design
- 7/16"-20 UNF standard fitting compliant with ISO 263
- 90 cm (36") braided/rubber high pressure hose
- Maximum working pressure: 300 bar/4000 PSI
- Operation temperature: -5-45°C (0-100°F)

**2. CALIBRATION MEASUREMENTS**

at 500 PSI	± 25 PSI	at 50 bar	± 2.5 bar
at 1000 PSI	± 50 PSI	at 100 bar	± 5 bar
at 3000 PSI	± 150 PSI	at 200 bar	± 10 bar
at 4000 PSI	± 200 PSI	at 300 bar	± 15 bar

**3. USE**

The pressure gauge is a safety device used to monitor residual air pressure in your SCUBA cylinder (tank) for open-circuit SCUBA diving up to a maximum depth of 100m / 328ft. The pressure gauge is intended to prevent a failure in the supply of the breathing gaseous mixture in the scuba cylinder that divers breathe throughout a dive. The pressure range of 50 bar and below is marked in red to alarm divers of an approaching failure in the supply of breathable gaseous mixture. NEVER exceed 100m and check the pressure gauge frequently to ensure there is a sufficient supply of breathing gas in your tank cylinder.

**4. ASSEMBLY**

Ensure that the pressure gauge is compatible with the maximum working pressure of your 1st stage regulator before assembly. The maximum working pressure for the pressure gauge is 300 bar. Locate the high pressure ports marked 'HP' on the 1st stage regulator (please refer to your regulator user manual) and remove the HP port plug from the port you select. Place a small amount of halocarbon lubricant (Christo-lube MCG 111) on the HP hose end threads and O-ring. Fully screw the hose into the HP port of the 1st stage regulator and carefully torque to 4 to 4.5 Newton meters (35 to 40 inch pounds).

**5. ANNUAL INSPECTION**

Return the pressure gauge to an authorized Sherwood Scuba technician for annual inspection to ensure safe operation and maintenance. An authorized Sherwood Scuba technician will inspect the pressure gauge, depth gauge, and compass, verify dial accuracies, and replace the pressure gauge swivel (air spool).

**6. PRE-DIVE PREPARATION**

Test if the instrument is properly connected to the 1st stage regulator by slowly turning the screw knob until the tank is completely open while avoiding to look directly at the instrument dial. After pressurizing the system, listen for any leaking and check the pressure gauge needle to determine if there is a drop in pressure. If so, double check the entire system and avoid diving until the problem is resolved. If the instrument shows visible signs of disrepair like cracking, please immediately return the instrument to an authorized Sherwood Scuba technician to determine whether the assembly can be fixed or requires replacement.

**7. POST-DIVE MAINTENANCE**

Soak the instrument in fresh, warm water for one hour and flush the instrument boot with running water. Towel dry before storing in a cool, dry place out of direct sunlight. KEEP OUT of extreme heat environments exceeding 45°C (100°F) to avoid harming the instrument. When transporting, please store in a soft padded bag avoiding to knock or bump the instrument.

**8. CE AND UKCA CERTIFICATION**

The pressure gauge (pressure indicator) is a Category III device as defined under European Regulation 2016/425 and UK PPE Regulation (EU) 2016/425, and complies with the specifications set out in the harmonized European Standard EN250 and UK Standard EN250. The pressure gauge has been tested by Dive Lab Inc. at 1415 Moyland Rd., Panama City Beach, FL 32407, USA to guarantee a minimum level of safety at a maximum depth of 100m in conformity with European Regulation 2016/425 and UK PPE Regulation (EU) 2016/425. EU type examination was performed by SGS Fimko Oy Notified Body number: 0598 Takomotie 8, FI-00380 Helsinki, Finland. UKCA type examination was performed by SGS United Kingdom Limited Notified Body number: 0120, Rossmore Business Park, Ellesmere Port, South Wirral, Cheshire, CH65 3EN, United Kingdom. Declarations of conformity may be found at <https://www.sherwoodscuba.com/support/downloads>. These certifications are for the metric version only.

**9. MARKINGS**

- Reference Marking: CE 0598
- Reference Marking: UKCA 0120
- Reference Standard: EN 250
- Full Scale: 400 bar/5000 PSI
- Working Pressure Rating: 300 bar
- Date Code: MM/YY
- Manufacturer: SWD (Sherwood Scuba)

**DEPTH GAUGE****1. DESCRIPTION**

- Nylon-glass filled housing
- Shatterproof lens
- Scales up to 60m / 200ft.
- Max depth gauge

**2. ACCURACY MEASUREMENTS**

0-30m: ± 0.5m	0-30ft: ± 2ft
30-60m: ± 1.75m	30-200ft: ± 3ft

**3. MAX DEPTH GAUGE**

The black needle (with red tip) indicates current depth. As depth increases, it pushes the thinner needle. As depth decreases, the black needle (with red tip) continues to indicate current depth while the thinner needle remains at the maximum depth reading achieved. To reset the max depth needle for a new dive, turn the slotted knob located in the center of the gauge face counter clockwise until it makes contact with the black needle (with red tip).

**INSIGHT DIVE COMPUTER****1. DESCRIPTION**

- Intuitive display popularized by Wisdom model.
- Air/Nitrox or Gauge operating mode.
- Expanded memory for dive profiles - access to up to 110 dives.
- Deep stop reminder - conforms to latest theories recommending deep stops for dives that exceed 80 feet.
- Digital and bar graph indicators for nitrogen or oxygen limits.
- Audible and visual alarms - diver selectable.

**COMPASS****1. DESCRIPTION**

- Nylon-glass filled housing
- Side view window ensures accurate navigation
- 360° ratcheting bezel
- Luminescent gauge face
- Fluorescent markings at 10° 20° 30° and 130°
- Reads accurately over a wide tilt range

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**ANALOG INSTRUMENT USER MANUAL  
AND  
BOOT INSTALLATION/REMOVAL INSTRUCTIONS  
for  
PRESSURE GAUGE, DEPTH GAUGE, COMPASS,  
AND LOGIC DC**

[sherwoodscuba.com](http://sherwoodscuba.com)

# BOOT INSTALLATION/REMOVAL INSTRUCTIONS

## WARNINGS

CONSULT AN AUTHORIZED SHERWOOD SCUBA TECHNICIAN FOR INSTALLATION OR REMOVAL OF MODULES.  
IF AN AUTHORIZED SHERWOOD SCUBA TECHNICIAN IS UNAVAILABLE, PLEASE USE CAUTION WHEN INSTALLING OR REMOVING MODULES FROM THE BOOT.

THE WARRANTY DOES NOT COVER DAMAGE CAUSED FROM IMPROPER INSTALLATION OR REMOVAL OF MODULES.  
DO NOT USE AEROSOL SPRAY ON THE BOOT TO AVOID DEGRADATION OF THE BOOT MATERIAL.  
DO NOT POKe HOLES THROUGH SLOTS IN THE BACK OF THE INSTRUMENT TO AVOID DAMAGING COMPONENTS.

## BOOT INSTALLATION INSTRUCTIONS

### INSTALLING INSTRUMENTS IN CONSOLE BOOTS

To install the pressure gauge:

- Insert the regulator end of the hose down through the pressure gauge cavity of the boot and out through the handle opening. If the pressure gauge is fitted with a quick disconnect, connect it after it is through the handle.
- Pull the hose through the handle of the boot until the pressure gauge module is above the opening of the pressure gauge cavity.
- Grab the top section of the boot with one hand and push the pressure gauge module down into place. After the pressure gauge module is in the console, squeezing the edges of the cavity open until the lip covers the outside diameter of the pressure gauge lens may be necessary to ensure proper installation.

To install the depth gauge or InSight DC

- Place the console with the module cavity facing up. Position the depth gauge or Insight DC module over the upper cavity in the boot and dip the bottom edge into the cavity.
- Correct the alignment of the depth gauge or InSight DC module as needed to ensure straightness.
- Press the top edge of the depth gauge module or InSight DC with the palm of your hand.
- Press the depth gauge module or InSight DC while watching the alignment until it is fully engaged inside the console.

To install the compass:

- Place the console with the compass facing up. Position the compass module directly on the compass cavity of the boot aligned with the side viewing window over the viewing notch of the console's compass cavity.
- Using the palm of your hand, press directly down on the top of the compass module until it slides into place. Turn the compass bezel to ensure it rotates properly in both directions.

### INSTALLING INSTRUMENTS IN WRIST BOOTS:

- Place the module over the cavity in the boot and dip the bottom edge into the cavity.
- Correct the alignment of the module as needed to ensure straightness.
- Press the module into place while ensuring correct alignment.

## BOOT REMOVAL INSTRUCTIONS

### REMOVING INSTRUMENTS FROM CONSOLE BOOTS

To remove the pressure gauge:

- Grab the hose protector firmly and slide it down the hose away from the console boot.
- Place the console with the pressure gauge facing up and grab the top depth gauge section of the boot with one hand and hose end of the boot with the other. Carefully bend both ends downward while applying firm upward pressure at the middle section of the boot with one or both thumbs.
- The pressure gauge will be forced upward past the lip of the boot. Reposition the hand at the hose end of the boot so that you can push the hose into the boot and the pressure gauge out of its cavity while continuing to bend the boot.
- If necessary, pull the hose through the pressure gauge cavity to remove.

To remove the depth gauge or InSight DC:

- Press the depth gauge module or InSight DC out by applying pressure on the back of the console.
- Please DO NOT pry the depth gauge or InSight DC module from the boot. Slowly increase pressure from behind the depth gauge or Insight DC module to cause it to slide out of the boot.

To remove the compass:

- Place your thumb under the bezel at the side view window and lift slowly upward. The compass module will pivot up and out of the boot.

### REMOVING INSTRUMENTS FROM WRIST BOOTS:

- Peel the lips of the boot downward off the module while applying pressure from underneath to work the module out slowly. ONLY IF NECESSARY, USE EXTREME CARE:
- Insert a flathead screwdriver down between the boot and module until the tip rests just underneath the module.
- Please DO NOT pry the module from the boot. Increase pressure under the module until it slides up the screwdriver and out of the boot.

PN	Descriptions
PG070	SH Pressure Gauge Module bar
PG075	SH Pressure Gauge W/ HP Hose bar
PG075F	SH Pressure Gauge W/ HP Flex Hose bar
PG070A	SH Pressure Gauge W/ HP Hose Boot bar
PG070FA	SH Pressure Gauge W/ HP Flex Boot bar
CG2217	SH Compact Gauge Console HP PG DPTH bar
CG2217F	SH Compact Gauge Console Flex PG DPTH bar
CG1007	SH NAV 2 Console HP Pressure Compass bar
CG1007F	SH NAV 2 Console Flex PG Compass bar
CG3207	SH NAV 3 Console HP PG DPTH Compass bar
CG3207F	SH NAV 3 Console Flex PG DPTH Compass bar
CC2700	SH Compact Insight Console CMPTR PG HP bar
CC2700F	SH Compact Insight Console CMPTR PG Flex bar
CC3700	SH CMP NAV Insight Console CMPTR PG CMP HP bar
CC3700F	SH CMP NAV Insight Console CMPTR PG CMP Flex bar

## EU and UK Declaration of Conformity URL

<https://www.sherwoodscuba.com/support/downloads>