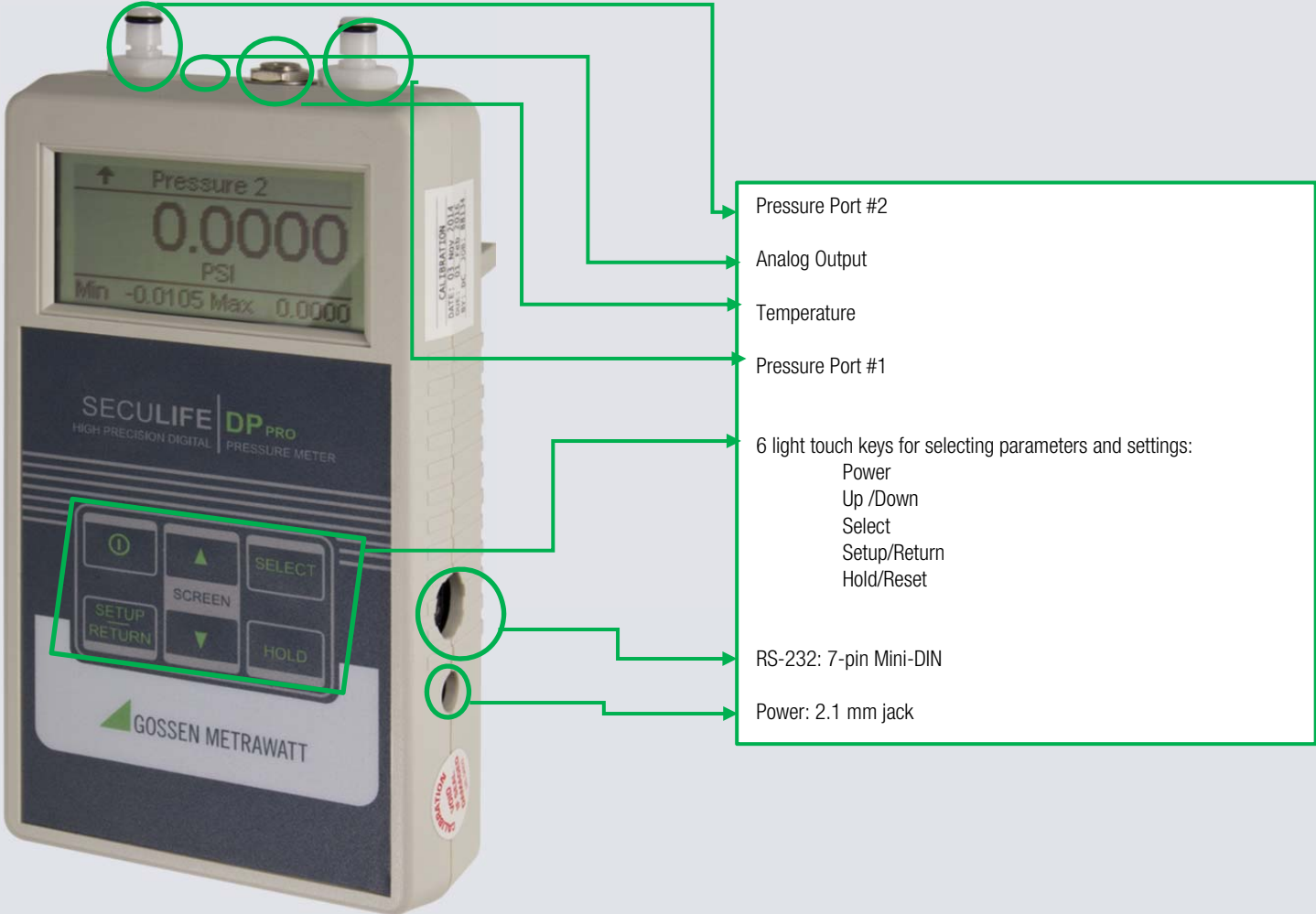


QUICK SETUP
GUIDE

SECULIFE DP_{PRO}

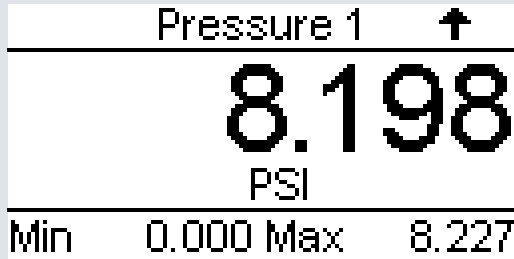


The Model SECULIFE DP_{PRO} is a family of microprocessor-based, high-precision Pressure Meters, which are intended for use in the evaluation and servicing of a wide variety of medical, commercial and industrial applications. These meters measure compatible gas and liquid pressures in various engineering units. Available optional features include a RS-232 port for remote control and data collection, a DC analog output option, and an optional temperature sensor input (either YSI 700 Series or 100 Ω RTD Probe).

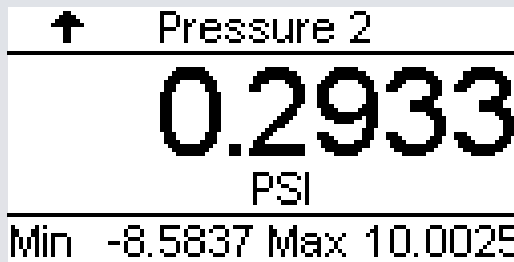


MAIN SCREENS – There can be up to four main screens, depending on the model. They are PRESSURE 1, PRESSURE 2, TEMPERATURE,

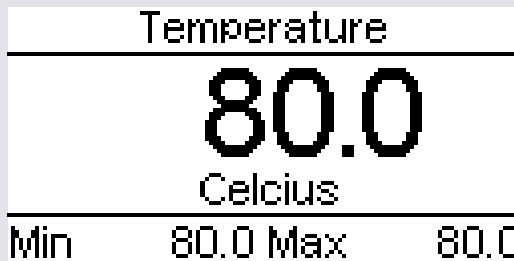
COMBINED and INPUTS. The available screens can be toggled through using



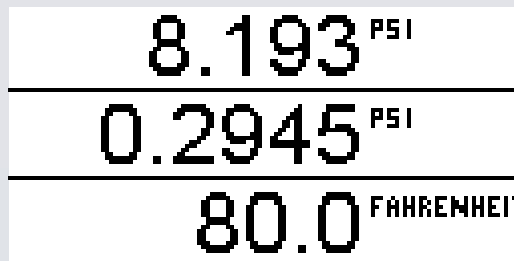
Pressure
Display with Min/Max Option selected



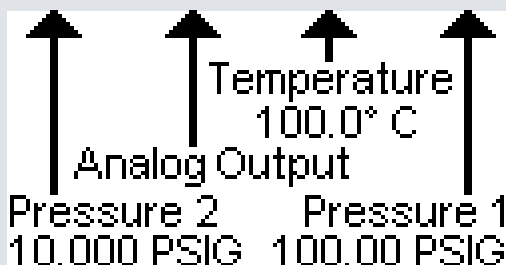
Pressure Port 2 Display with Min/Max Option selected



Temperature Display with Min/Max Option selected



Combined Screen showing:
Pressure Port 1
Pressure Port 2
Temperature

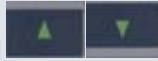


Input Identification Screen
Note: Sensor limits are displayed based on selected range.

PRESSURE SCALE – The pressure scale is indicated by the units displayed under the reading. The scale can be changed by using



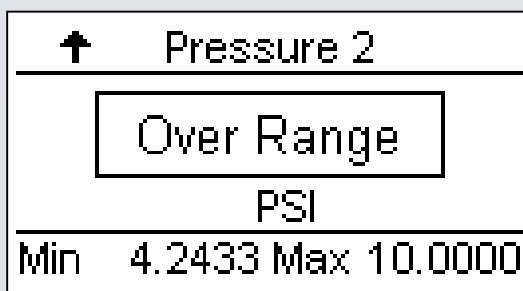
to highlight the unit line and



to toggle between available pressure units as listed below.

Pressure Units	
PSI	mmHg @ 0 °C
inH ₂ O @ 4 °C	mmHg @ 20 °C
inH ₂ O @ 20 °C	kg/cm ²
inH ₂ O @ 60 °F	kPa
cmH ₂ O @ 20 °C	mBar
inHg @ 0 °C	Bar
inHg @ 20 °C	

NOTE: If the measured pressure is outside of the range of the instrument, an OVER RANGE or UNDER RANGE message box will be displayed.

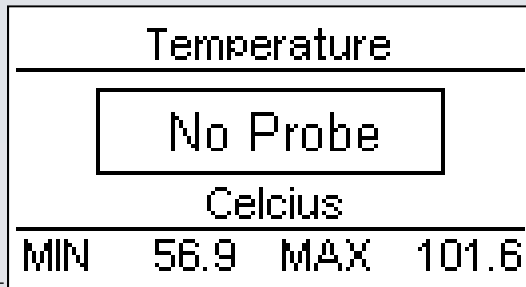


Typical display with "Over Range" message box.

TEMPERATURE SCALE – The temperature scale is indicated by the units displayed under the reading. The scale can be changed by using

to highlight the unit line and   to toggle the temperature units  between Degrees Celsius (°C) and Fahrenheit (°F).





NOTE: If the measured temperature is outside of the range of the instrument, an OVER RANGE or UNDER RANGE message box will be displayed. For models with the YSI option, the NO PROBE message box will be displayed when the unit detects an open connection. For models with the RTD option, the OVER RANGE message box will also be displayed with an open connection.





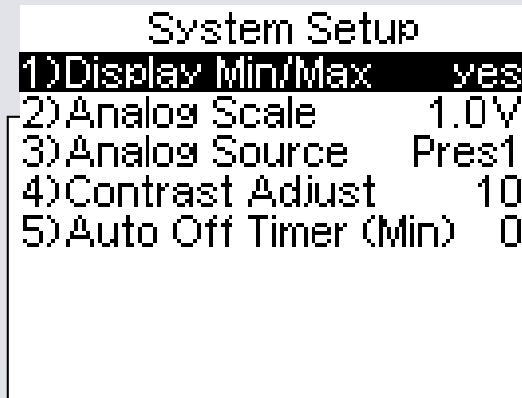
Typical display with "No Probe" message box.





NOTE: YSI option only

SYSTEM SETUP –  of the meter. The Setup screen can be entered using the

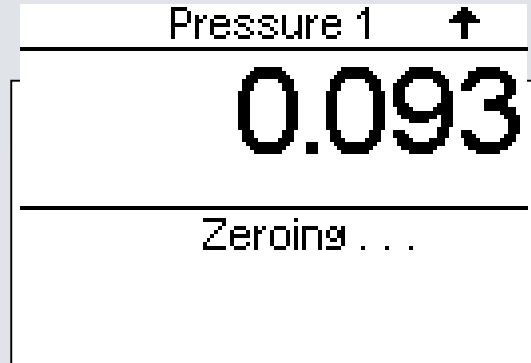
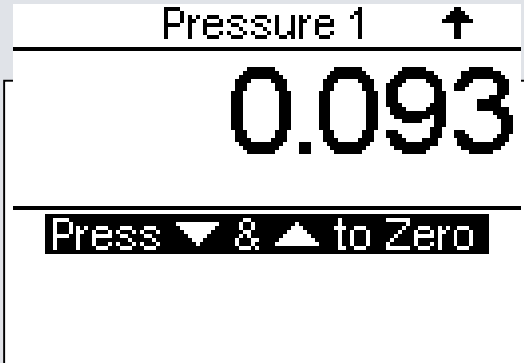
 key. The parameters can be changed by using   to highlight the line and  to toggle the available options. The

Setup screen can be exited  using the  key.



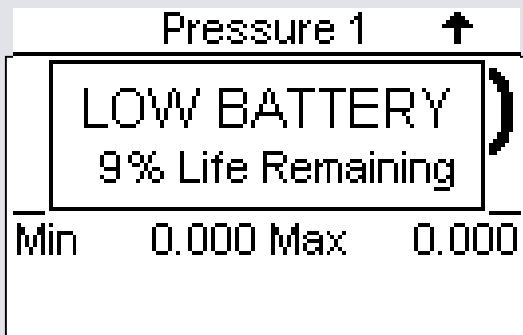
ZEROING PRESSURE SCALES – When there is no pressure applied to either port, the display should read “0.” It may be necessary to zero the pressure scales to remove any errors due to ambient conditions. This is done by pressing the  key until the zeroing instructions are displayed, then pressing   simultaneously to begin the process. The “ZEROING...”  message will flash while the scale is being zeroed.

When the zeroing instructions are displayed again, the process is complete.



NOTE: Each sensor needs to be zeroed separately.

LOW BATTERY – When the battery life reaches 10 percent, the LOW BATTERY message box will be displayed.



Typical display with “Low Battery” message box.

NOTE: A battery eliminator receptacle is provided so that the unit can be powered by the optional 9 VDC Battery Eliminator, enabling continuous operation.

NOTE: The unit is shipped with a Red Battery Lock-Out plug installed into the line power receptacle as shown below. Its purpose is to prevent the unit from accidentally being turned on during handling and transport, subsequently depleting the battery. This plug must be removed before any use!

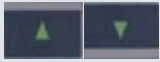


Keys

Six tactile-touch keys are provided for system operation:



– This key turns the unit off and on. The unit will return to the main screen that was active when it was turned off.



– In the DISPLAY MODE, these keys toggle the display through the available main screens.

In the SELECT MODE, if a parameter has been highlighted, these keys will scroll through the available settings.





– On any screen, there are a number of parameters that may be selected and changed. This key sequences the cursor (Highlight) through those parameters.

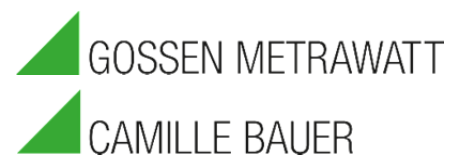


– This key is used to Hold (freeze) and Reset (unfreeze) any of the input displays. Depressing this key will hold the currently displayed Pressure or Temperature reading until reset. Each input can be held independently.

When active, the word “HOLD” is in the display. Depressing this key on a screen that is held will reset that input and remove the word “HOLD” from the display.

NOTE: In the composite screen, the hold feature requires that the specific input be selected using  before  is used.

GMC INSTRUMENTS



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