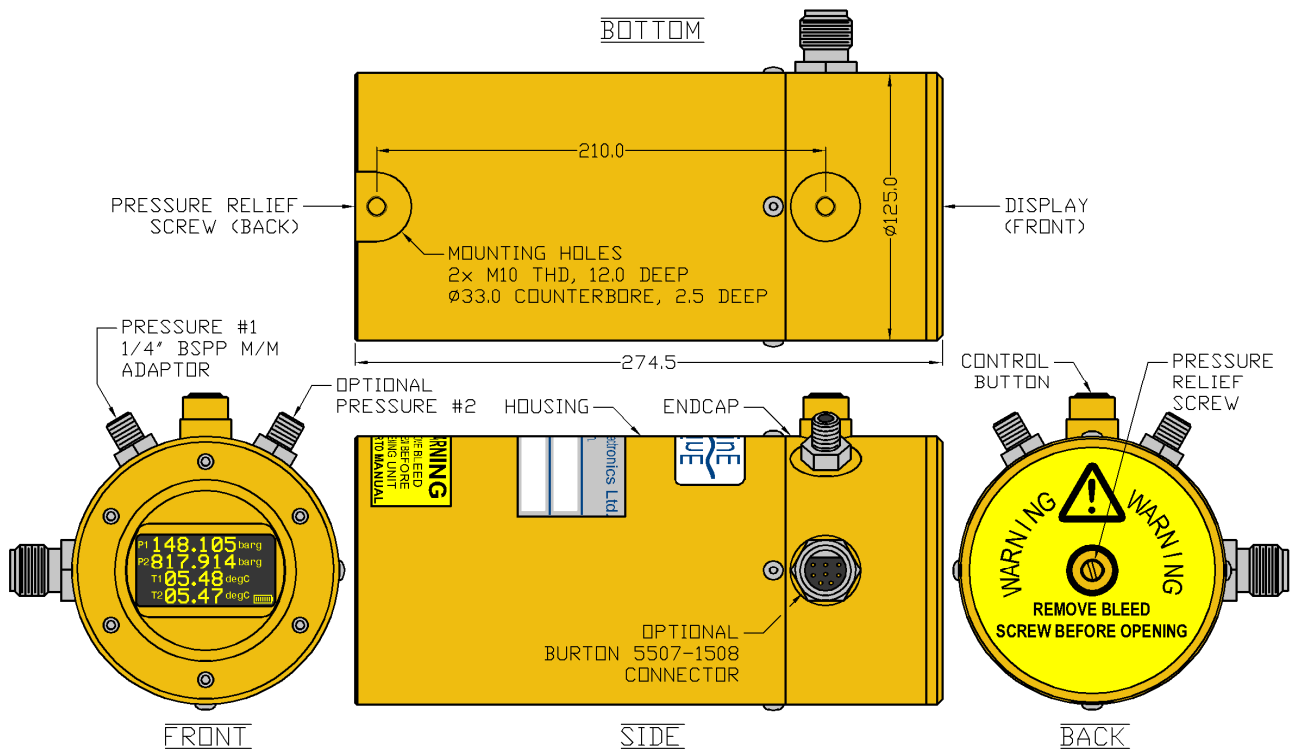


6000 SUBSEA TEMPERATURE AND PRESSURE LOGGER

The 6000 Temperature And Pressure Subsea Logger is a compact, self contained, subsea unit which logs and displays readings from internal digital pressure and temperature sensors. A high visibility OLED display shows the current readings subsea. The user can turn the unit on and off as well as modify all available settings and unload data using a single control button and intuitive menu system.

The 6000 is particularly useful for hydrostatic testing of pipelines where features such as the LIMITs display and acoustic transmitter interface mean that a successful test can be confirmed without needing to recover the unit for download of data.



POWER OPTIONS: The unit can be powered from an internal battery OR an external +15V to +28V supply. The standard battery pack is made up from Alkaline cells but the unit can be powered from a Lithium pack if required to provide extended battery life, particularly at temperature extremes.

RS485 OPTION: The user can monitor the sensor readings via an optional RS485 link.

ACOUSTIC PINGER INTERFACE OPTION: The unit can be interfaced with a standard acoustic pinger to begin pinging, stop pinging, or change rate when a particular pressure, temperature, or time threshold is reached.

ACOUSTIC DATA TRANSDUCER INTERFACE OPTION: The unit can be interfaced with an acoustic data transducer. This allows pressure readings to be monitored every 1 minute at a range of up to 10km.

LOGGING: The unit can have additional circuitry added to allow more than 90 days logging 2x pressure and 2x temperature every 1 minute with time and date. Other regimes are available.

GENERAL

Battery life at 5°C with LOW POWER mode DISABLED..... 21 days
Battery life at 5°C with LOW POWER mode ENABLED 105 days
Battery type 12V Alkaline pack BATT-11213
Operating temperature range.....-5°C to +65°C
External pressure rating 300bar
Standard pressure range0-700 barg (please contact OEL to discuss options)
Standard pressure sensor accuracy..... ±0.05% FS (0.001 bar resolution)
Pressure connection..... ¼" BSPP M/M ADAPTOR or Customer specified
Temperature sensor accuracy ±0.5°C (0.01°C resolution)
Weight in air 13kg

MATERIALS:

Housing materialALLOY BRONZE CA104 EN 12163
Endcap materialALLOY BRONZE CA104 EN 12163
Bleedscrew material.....ALLOY BRONZE CA104 EN 12163
Window material ACRYLIC
Endcap o-rings..... 2x BS 50-243 NBR70 with 2x BS 250-243 PTFE BURs
Window o-ring 1x BS 50-236 NBR70
Bleedscrew o-ring..... 1x BS 50-008 NBR70

OPTIONS:

External power..... +15V to +28V
Data communication RS485
Remote communication.....Acoustic data transducer
Additional sensorsOptional second pressure and second temperature
Logging Various regimes available