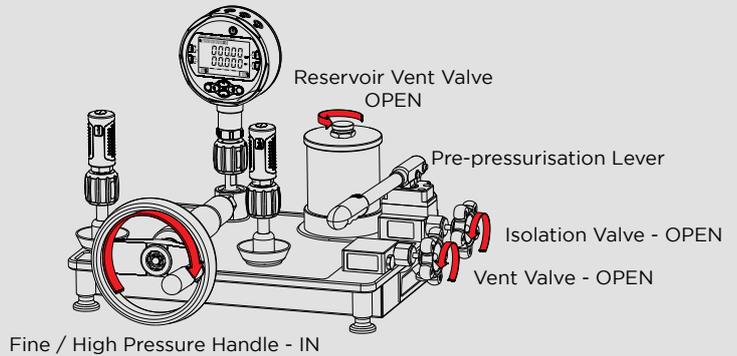


STAGE 1: VERIFICATION

A verification is first performed to check the accuracy of the pressure gauge against a calibrated reference.

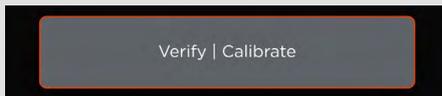
1. Fit Gauges and Purge Pump

1. Fit the reference and test gauges.
2. Ensure reservoir vent valve is open.
3. Adjust pump controls so that:
 - Isolation valve is OPEN
 - Vent valve is OPEN
 - Fine / High Pressure Handle wound IN
4. Pump the pre-pressurisation lever until no air bubbles come out of the reservoir.



2. Setup Tablet

1. Ensure tablet is connected to internet (in Settings)
2. Tap 'Verify | Calibrate'



3. Tap a sensor icon and enter serial to connect. You can connect up to 8 sensors at a time. All sensors must be the same pressure rating.



4. Tap 'Verify', enter details, then tap 'Start'



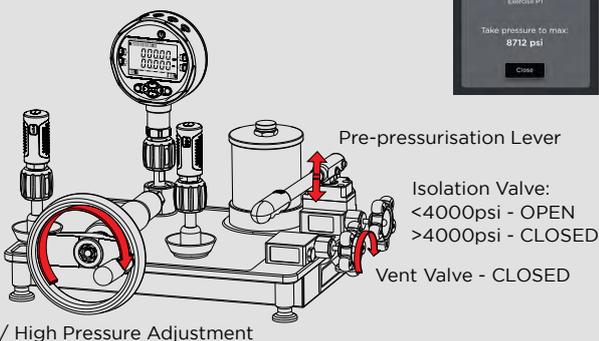
3. Exercise Sensor

Generate the maximum rated pressure as specified.

CLOSE the vent valve.

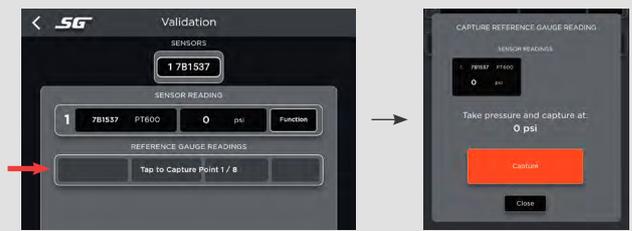
Pump the pre-pressurisation lever up to ~4000psi.

Above ~4000psi, CLOSE the isolation valve and use the fine / high pressure handle ONLY



4. Verification Process

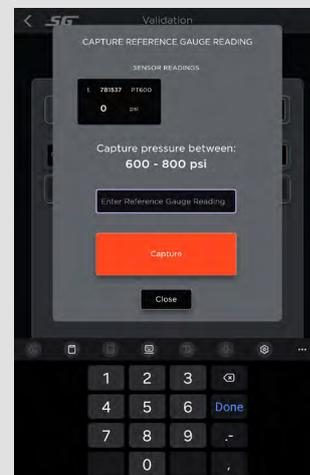
1. Tap on the first grey tile to capture the first point.



2. Depressurise to 0psi by doing the following:
 - Turn the fine / high pressure handle OUT.
 - Slowly OPEN the isolation valve.
 - Slowly OPEN the vent valve.

3. When the pressure has reached and settled at 0psi for approx. 2 seconds, press 'Capture'

4. Tap on the second grey icon (Point 2). CLOSE the vent valve and generate pressure within the specified range. When it has settled, enter the pressure value in the box and press 'Capture'.



5. Continue to capture all 8 points. Once completed tap 'CREATE REPORT', add any comments and press 'SAVE'.

STAGE 2: CALIBRATION

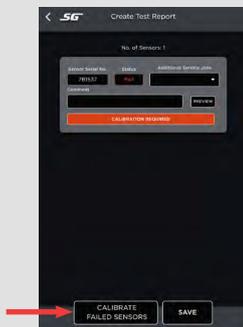
If at any point along the process the gauge returns a failed verification point, it will need to be recalibrated to rectify any errors and produce an accurate reading. The process differs slightly as it requires points to be captured at an exact pressure rather than within a range. It then requires a verification check with the pressure decreasing.

1. Starting a Calibration

A calibration can be started at any point during a verification procedure by pressing 'Skip to Calibration'. This starts a calibration for ALL connected sensors.



Alternatively, if you have a mix of PASS and FAIL sensors in one verification, you can finish the verification process. On the report page, enter comments for the PASS sensors and tap 'CALIBRATE FAILED SENSORS'. This will finalise the PASS reports, and start a calibration with only the FAIL sensors. POWER OFF the PASS sensors before starting calibration.



Helpful Hints:

- The pressure will want to settle in the direction it has come from (i.e. when increasing pressure, it will decrease to settle and vice versa).
- It is recommended to restart the application between jobs to ensure sensors are fully disconnected.
- Always capture pressures based on the reference gauge, not the SafeGauge sensor reading on the tablet.
- Reports can be exported to USB or sent via email by tapping 'Reports' on the home page.
- When calibrating or verifying multiple sensors, cycle between them by tapping on their serial numbers at the top of the page.

2. Completing a Calibration

Since the sensor has already been exercised as part of the verification, there is no need to do this again.

1. Tap on the first grey icon, ensure the reference gauge reads 0psi and tap 'Capture'. The sensor LED will shine solid white as it is saving the point.

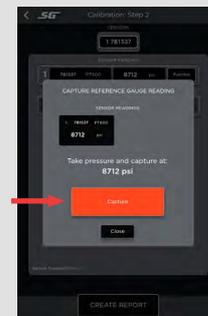


2. Tap on the next grey icon. Generate the exact specified pressure, ensuring it settles for at least 1-2 seconds and tap 'Capture'.



3. Continue this for all 8 points then tap 'Next'.

4. The next stage is to verify all points, starting at maximum pressure and decreasing across the scale. Tap on the first grey icon, generate the pressure specified and tap 'Capture'.



5. Continue for all points, then tap 'CREATE REPORT'. Enter any comments and tap 'SAVE'.



If you have any further questions, please don't hesitate to contact us on 1300 222 392 or service@safegauge.com

You can also find the full calibration guide and other servicing resources by scanning the QR code.

