

<b>Title</b>	<b>Operate and maintain equipment to measure pressure in a civil engineering laboratory</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	People credited with this unit standard are able to operate and maintain equipment to measure pressure in a civil engineering laboratory.
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<b>Classification</b>	Infrastructure Civil Engineering > Infrastructure Laboratory
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable organisational and legislative requirements.
- 2 Applicable legislation, regulations, rules, standards and codes include but are not limited to the: Health and Safety at Work Act 2015, Hazardous Substances and New Organisms Act 1996, and their associated regulations and subsequent amendments; ISO/IEC 17025:2018 *General requirements for the competence of testing and calibration laboratories*, available from <https://www.iso.org/store.html>; NZS 4402:1986 *Methods of testing soils for civil engineering purposes - Preliminary and general*, available from <https://www.standards.govt.nz/>; NZS 4407:2015 *Methods of sampling and testing road aggregates*, available from <https://standards.govt.nz>.
- 3 Definition  
*Organisational requirements* refer to instructions to staff on policy and procedures which are formally documented or generally accepted at the worksite. This may include legislation; industry standards and methods; national and international standards and methods; standard operating procedures; specifications; manuals; and manufacturer's information.

### Outcomes and performance criteria

#### Outcome 1

Operate and maintain equipment to measure pressure in a civil engineering laboratory.

Range     mechanical, liquid, electronic.

**Performance criteria**

1.1 Equipment is selected in accordance with sample requirements and method.

Range includes but is not limited to – range, precision, units, type.

1.2 Equipment is checked before use.

Range may include but is not limited to – condition, environmental conditions, safety equipment, calibration status.

1.3 Pressure is measured.

Range may include but is not limited to – stable reading, parallax errors, temperature, barometric correction.

1.4 Results are recorded.

Range results may include but are not limited to – pressure, temperature, humidity, date, time, operator.

1.5 Equipment is cleaned and maintained.

<b>Planned review date</b>	31 December 2025
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	21 January 2011	31 December 2021
Review	2	23 January 2020	N/A
Rollover and Revision	3	24 October 2024	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0101
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz) if you wish to suggest changes to the content of this unit standard.