

Title	Maintain humidity or dewpoint monitoring equipment		
Level	4	Credits	4

Purpose	People credited with this unit standard are able to: <ul style="list-style-type: none"> – calibrate humidity or dewpoint monitoring equipment; and – maintain and repair humidity or dewpoint monitoring equipment.
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Classification	Industrial Measurement and Control > Industrial Measurement and Control - Maintenance
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Available grade	Achieved
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Guidance Information

- 1 This unit standard has been developed for learning and assessment in a workplace environment.
- 2 References
ANSI/ISA-51.1-1979 (R1993) *Process Instrumentation Terminology*;
Electricity Act 1992;
Electricity (Safety) Regulations 2010;
Health and Safety at Work Act 2015 and
Associated regulations;
ISSN 0114-0663, *New Zealand Electrical Codes of Practice*, available from
Worksafe, <https://worksafe.govt.nz/>;
and all subsequent amendments and replacements.
- 3 Definitions
Industry requirements – includes all asset owner requirements, manufacturers' specifications; and enterprise requirements which cover the documented workplace policies, procedures, specifications, business requirements; and quality management requirements relevant to the workplace in which the assessment is carried out.
Maintain – planned activity during normal operation, to conserve or keep an item or piece of equipment in a state of repair and to ensure that this is done in a sustainable way.
Repair – unplanned and often urgent work that needs to be carried out to restore plant or equipment to normal operation.
- 4 Recommended skills and knowledge: Unit 28081, *Demonstrate knowledge of gas analytical measurement and flame, gas, smoke, and heat detection*.

Outcomes and performance criteria

Outcome 1

Calibrate humidity or dewpoint monitoring equipment.

Performance criteria

1.1 Identify type and cause of typical errors.

Range may include but is not limited to – probe failure, temperature compensation.

1.2 Explain and follow safe work procedures.

Range may include but is not limited to – isolation, pressure.

1.3 Select test equipment according to accuracy and range of devices.

Range may include but is not limited to – psychometric chart, wet-dry bulb hygrometer.

1.4 Calibrate humidity or dewpoint monitoring equipment to an accuracy specified by the data sheet.

Range zero, span.

1.5 Document test results in accordance with industry requirements.

Outcome 2

Maintain and repair humidity or dewpoint monitoring equipment.

Performance criteria

2.1 Locate, interpret, and apply technical information for maintaining equipment.

2.2 Explain and follow safe work procedures.

Range may include but is not limited to – isolation, pressure.

2.3 Maintain and repair equipment to ensure continued operation.

Range may include but is not limited to – tools, materials, parts, techniques, specifications.

2.4 Produce maintenance reports in accordance with industry requirements.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	31 October 1995	31 December 2013
Revision	2	30 October 1997	31 December 2013
Revision	3	3 April 2001	31 December 2013
Review	4	22 June 2001	31 December 2013
Review	5	19 May 2008	31 December 2019
Review	6	21 November 2013	31 December 2027
Rollover and Revision	7	28 June 2018	31 December 2027
Review	8	30 January 2025	31 December 2027

Consent and Moderation Requirements (CMR) reference	0003
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.