



Australian Government

MEM12001 Use comparison and basic measuring devices

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM12001B Use comparison and basic measuring devices

Application

This unit of competency defines the skills and knowledge required to sort items in a production environment or at a workstation using basic comparison measuring equipment.

Where interpretation of technical drawings is required unit MEM09002 Interpret technical drawing should also be selected.

Where the selection and use of engineering measurement is required unit MEM12023 Perform engineering measurements should also be selected.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Band: A

Unit Weight: 2

Pre-requisite Unit

MEM11011	Undertake manual handling
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information

Competency Field

Measurement

Elements and Performance Criteria

Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
1	Determine job requirements	1.1	Follow standard operating procedures (SOPs)
		1.2	Comply with work health and safety (WHS) requirements at all times

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

		1.3	Use appropriate personal protective equipment (PPE) in accordance with SOPs
		1.4	Identify job requirements from specifications, sketches, job sheets or work instructions
2	Use comparison and/or basic measuring devices	2.1	Identify and use measuring devices to undertake required comparisons or measurements using SOPs
		2.2	Undertake checking or sorting of items using comparison and/or basic measuring device according to SOPs
3	Maintain comparison and/or basic measuring devices	3.1	Maintain basic care and storage to manufacturers' standards or SOPs

Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Basic measuring devices include the following:

- linear measuring devices measuring to within 1 mm graduation, including rules, tapes and retractable tapes

Comparisons include one (1) or more of the following:

- length
- angle
- size

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- temperature
- pressure
- weight
- voltage
- resistance
- amperage

Comparison measuring devices include one (1) or more of the following:

- go/no-go devices
- thread angle and taper gauges
- temperature gauges
- pressure gauges
- measuring gauges and overlay indicators
- templates
- digital devices
- pre-set verniers and micrometres

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM12001B Use comparison and basic measuring devices

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>