



# Revalidating your non-urban water meter in Queensland – Information for water users in metered entitlement areas

## INFORMATION SHEET

If you hold a water entitlement in a metered entitlement area, you may receive a letter from the department to let you know that your water meter is due to be validated.

### What is a meter validator?

Meter validation is the inspection of a non-urban water meter to ensure it is compliant with the Queensland interim water meter standard for non-urban metering (the standard). The standard provides information on the requirements for water meter type, installation, performance and fit for purpose use. Meter validation inspections are required to occur periodically, at least every five years.

### Who can validate a meter?

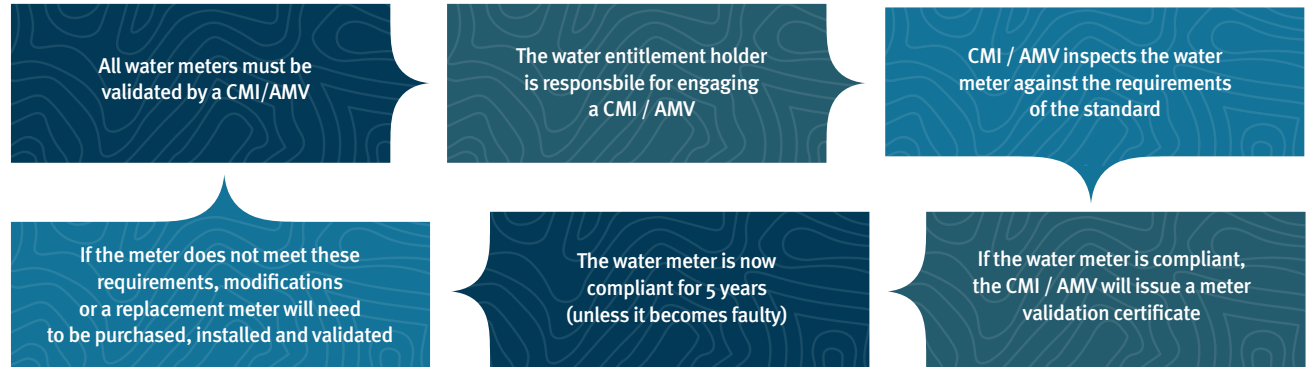
Only a Certified Meter Installer (CMI) or Authorised Meter Validator (AMV) can inspect a water meter and issue a meter validation certificate. As the water entitlement holder, you are responsible for the cost of the validation inspection. If the meter does not meet the standard, you are also responsible for the purchase and installation of a new meter.

CMIs/AMVs are accredited by Irrigation Australia Limited (IAL) and can be found at [www.irrigationaustralia.com.au](http://www.irrigationaustralia.com.au). Alternatively, speak with your local irrigation specialist.



*A new mace installation.*

Figure 1: Process for meter validation



## Will I need to replace my meter?

Some older meters do not meet the standard and will need to be replaced. However, if your existing meter is listed in Table 1, there might be steps you can take to ensure it meets the standard. Your CMI/AMV will be able to give you advice on this.

Table 1: Existing water meters ([section 3, Queensland interim water meter standard for non-urban metering](#))

Operating conditions	Meter type	Make	Model
Full pipe	Multi-jet – self-contained	Arad	MS; M
		Bermad	MT-KD-P
	Paddlewheel – self-contained	Arad	IRT
		Elster; Kent	R1000; R1200
		Raphael; RAF	RMI
	Electromagnetic – self-contained	All makes	All models
	Ultrasonic – Doppler – modular metering systems	Mace	XCi (Series 3); Series 2
Ultrasonic – Transit time-of-flight	Accusonic	8510+ (modular metering system)	
	Flexim	Fluxus F501 (modular metering system)	
	Siemens	SONO (self-contained); SONO (modular metering system)	
Open channel	Ultrasonic – Doppler, including depth – modular metering systems	Mace	XCi (Series 3); Series 2
		SonTek	Agronaut-SL; SL
	Ultrasonic – Transit time-of-flight, including depth – modular metering systems	Accusonic	8510+
Partially filled pipe	Ultrasonic – Doppler, including depth – modular metering systems	Mace	XCi (Series 3); Series 2
	Ultrasonic – Transit time-of-flight, including depth – modular metering systems	Accusonic	8510+

## If I need to replace my meter, which meter can I use?

A replacement meter must meet the following requirements:

- › **For pipe sizes less than or equal to 40mm:** A utility meter can be used. [Refer to Utility meters](#)
- › **For pipe sizes less than or equal to 600mm:** A pattern approved meter must be installed. Refer to [Pattern approved non-urban water meters](#)
- › **For pipe sizes greater than 600mm only:** If a self-contained meter is required, it must be pattern approved. Otherwise, a modular metering system can be used.

The table below provides information on what modular metering systems, with the correct pipework installed to meet the standard, can be used.






A Bermad Sensus water meter with a reed switch installed.

Table 2: New water meters – modular metering systems ([section 3, Queensland interim water meter standard for non-urban metering](#))

Operating conditions	Meter type	Examples
Full pipe	Electromagnetic – full profile insertion probe, multi-sensor	McCrometer – FPI Mag
	Ultrasonic – Doppler	XCi (Series 3)
	Ultrasonic – Transit time-of-flight	Accusonic – 8510+
		Flexim – Fluxus F501
Open channel	Ultrasonic – Doppler, including depth	Siemens – SONO (modular metering system)
		XCi (Series 3)
	Ultrasonic – Transit time-of-flight, including depth	SonTek – Argonaut-SL
Partially filled pipe	Ultrasonic – Doppler, including depth	Accusonic – 8510+
	Ultrasonic – Transit time-of-flight, including depth	XCi (Series 3)

### Further information

-  Scan the QR code or go to [www.business.qld.gov.au](http://www.business.qld.gov.au) and search for: 'water meter approval and validation'
-  [QMDBMetering@rdmw.qld.gov.au](mailto:QMDBMetering@rdmw.qld.gov.au)
-  Metering hotline (07) 3330 5441

