

How to guide

Reading your water meter



The Hawke's Bay region now has over 1700 water meters installed. There are a large variety of meter types and displays. This document has been written to offer guidance to people on how to read their meters so that they can be sure they are reporting their usage to Council correctly.

If you are still unsure after reading this document, you can contact the Water Information Services team for additional help by email waterinformation@hbrc.govt.nz or phone **0800 108 838**.

Mechanical Meters

Typical meter display in whole cubic meters



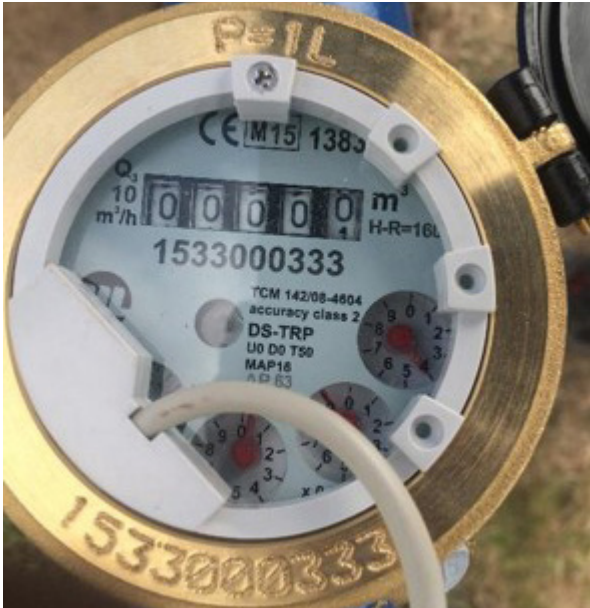
The numbers in **black** are whole numbers of cubic meters (m^3).

The **red-arrowed** dials are the decimal points, i.e. litres. This meter reads 11.483 m^3 , which is equivalent to 11,483 litres.

For the purposes of online data submission, you can either report it as 11 m^3 or 11.4 m^3 .

Find out more go to
hbrc.govt.co.nz, search **#metering**

Typical meter display in whole cubic meters (not to be confused with a $\times 10 \text{ m}^3$)



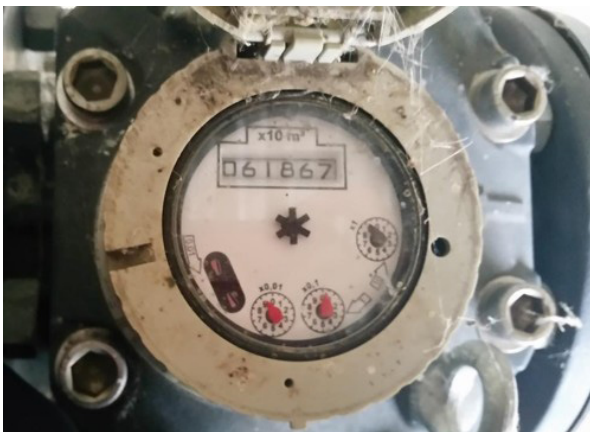
Like the first meter, the top dial in **black** is displaying whole cubes, and

the **red-arrowed** dials are the decimals.

This meter could be confused with a meter where the top dial is reporting in 10s of cubic meters due to the Q3 10 m^3/hr , which is on the left-hand side. This is actually saying the maximum quantity the meter can record and report accurately is 10 m^3/hr , or a maximum flow rate of 2.77 litres/second.

This is a brand-new meter, so very little water has passed through it. The meter reads 0.490 m^3 , or 490 litres. This can either be reported as 0 m^3 or 0.4 m^3 when completing returns to Council.

Meter display in 10s of cubic meters ($\times 10 \text{ m}^3$)



The top dial in **black** is displaying in 10s of cubes (the $\times 10 \text{ m}^3$ is written above the dials). The second black dial says $\times 1$ and is single cubes.

The **red-arrowed** dials are the decimals.

You need to read and report all the black numbers to Council. This meter reads 618679.090 m^3 , or 618679090 litres.

This meter would be reported as 618679.0 m^3 to Council.

Meter display in 10s of cubic meters ($\times 10 \text{ m}^3$)



The top dial in **black** is displayed in 10s of cubes (the $\times 10$ is written below the dials). The second black dial on the right is single cubes.

The **red-arrowed** dials are the decimals.

Again, you need to read and report all the black numbers to Council. This meter reads 60.130 m^3 , or 60130 litres.

This meter would be reported as 60.1 m^3 to Council.

Find out more go to
hbrc.govt.co.nz, search#metering

Meter display in 10s of cubic meters ($\times 10 \text{ m}^3$)



Slightly busier meter face but again a $\times 10$ meter ($\text{m}^3 \times 10$ written above the main dial). The second **black** dial on the right is single cubes.

The **red-arrowed** dials are the decimals.

Again, you need to read and report all the black numbers to Council. This meter reads 60.05 m^3 , or 60050 litres.

This meter would be reported as 60.05 m^3 to Council.

Digital Displays (Ultrasonic and Mag Flow)

Siemens Mag Flow



The arrow is pointing toward the m^3 , showing that this meter is displaying volume of use, not the current flow rate. The little 1 at the bottom of the screen shows it is on screen 1, which displays the non-resettable total volume. Pushing the yellow arrow scrolls through the 5 screens.

This meter would be reported as 1823.7 m^3 to Council.

Krohne Mag Flow

Wall Mounted Display



The Krohne water meter has two volumes displayed on the front screen: $\Sigma 1$ and $\Sigma 2$.

$\Sigma 1$ (sum 1) displays the total cumulative use to ever pass through the meter. This is the number to submit to Council.

$\Sigma 2$ (sum 2) is resettable by the farmer/grower and can be used for tracking annual or seasonal use as it can be “zeroed”. This number is not required by Council.

This meter would be reported as 27602.9 m^3 to Council. Rounding up to 27603.0 m^3 would also be acceptable.

Find out more go to
hbrc.govt.co.nz, search#metering

Arad Octave: Ultrasonic



The top line is the cumulative volume. This meter has had 0.19 m³ pass through it, or 190 litres (new installation).

The second line with the m³/h is displaying the flow rate and is not the reading required to be sent to Council.

This meter would be reported as 0 m³ to Council, or 0.2 m³ would also be acceptable.

Find out more go to
hbrc.govt.co.nz, search#metering