

FOR OFFICE USE ONLY

Flowmeter, Datalogger Installation and Commissioning

TO: Environment Canterbury
C/o Water Metering Team
200 Tuam Street
PO Box 345
Christchurch 8140

Ph: 03 353 9007
Email: water.metering@ecan.govt.nz

Consent Holder: _____
Consent number: CRC _____ Well/SWAP number(s): _____
Installation date: _____

Flowmeter details:

Make: _____ Meter size: _____ (mm diameter)
Model: _____ Pulse output: Yes/ No
Serial number: _____ Volume per Pulse _____ **m³/puls**
(Start) Meter Reading Volume: _____ m³ (state units if different)

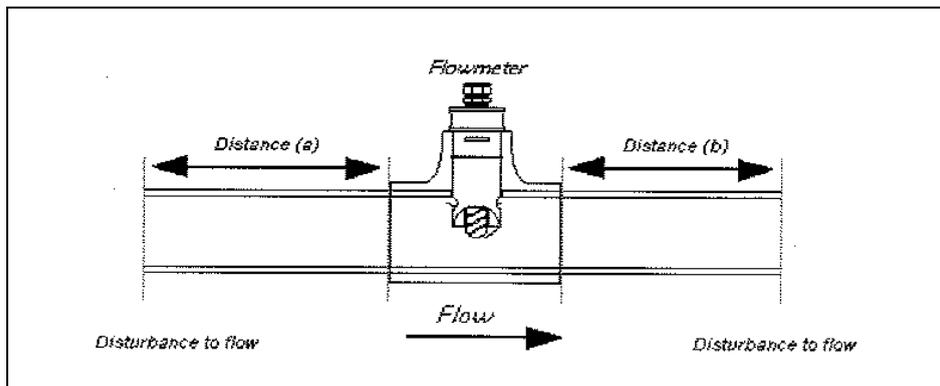
Datalogger details:

Installed Yes/ No
Make: _____
Model: _____ Serial number: _____
Telemetry installed for compliance: Yes/ No Data hosted by: _____

Installation details:

Pipe internal/external diameter: _____ mm Pipe Wall Thickness _____ mm
Pipe material: Ductile Iron, Mild Steel, PVC, Polyethelene, Aluminium, other : _____
Distance of straight, unobstructed pipe **upstream** of flowmeter (distance (a) in Figure 1): _____ mm
Distance of straight, unobstructed pipe **downstream** of flowmeter (distance (b) in Figure 1): _____ mm
Is there a straight unobstructed accessible pipe in the system of at least 15 diameters length to verify the flow with a clamp-on flow meter? Yes/ No Location in system: _____

Figure 1: Installation diagram - Please mark any disturbances upstream of the flowmeter e.g. pipe size reduction, gate valves, pipe bends. Refer to Figure 2 for an example of a good installation.



Insertion meters only:

Insertion depth: _____ K-factor: _____

Ultrasonic meters only:

Transducer size: _____ Transducer spacing: _____

Transducer mounting: V or Z (Please circle, V = Reflect, Z = Direct)

Accuracy details:

Do you have a WET calibration certificate? Yes/ No (If yes, then please submit the certificate.)

Has the meter been checked against a portable flowmeter? Yes/ No (If yes please fill in water meter verification form)

Certification:

I/we certify that the above flowmeter and datalogger have been installed in accordance with Environment Canterbury's requirements.

That a wet calibration certificate from the manufacturer is attached to this form

That a water meter verification form is attached to this form.

That a picture of the installation is attached to this form.

Installed by: _____ Signed: (by installer) _____

Company: _____ Date: _____

Figure 2: An example of an Ideal installation of a flowmeter, including obstructions in pipework.

