



# ultravalve

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## Next Generation High Accuracy Digital Backflow Prevention Device Test Kit GI-DBT2

MEETS NEW WATER REGULATIONS IN RPZ AIM ISSUE 3.

We are proud to introduce our NEW next generation high accuracy digital backflow prevention device test kits.

Our model GI-DBT2 incorporates a state-of-the-art digital, full 316 stainless steel D.P. sensor and display, with temperature display and a range of 0/100 kPa, a resolution of 0.1 kPa and accuracy of +/- 1% (or better).

There are no moving parts in the D.P. indicator, therefore eliminating corrosion, hysteresis and poor measurement accuracy.

Model	GI-DBT2
Range (D.P.)	0/100 kPa (expanded range 0/1000 kPa)
Resolution	0.1 kPa
Accuracy	+/- 1% (or better)
Temperature Range	-30 / 80°C
Protection Class	IP65
Power Supply	Long Life Lithium Battery
Over-Pressure Protection	2000 kPa
Memory	Min/Max Values
Line Temperature	Degrees °C
Inlet Filters	Sintered Brass



Made in Australia  
By Gould Instruments

**ultravalve**

# Operating Instructions

# Next Generation High Accuracy Digital

# Backflow Prevention

# Device Test Kit GI-DBT2



## Kit contains:



Flowmeter Test Kit



Carry Case with foam insert



Valves, strap & hoses

## Operating Instructions

- 1) Upon receipt, remove the digital gauge and hoses from the carry case.
- 2) Ensure that the main (large) display is reading zero or within +/- 0.2kPa.
- 3) Attach the hoses as follows-  
Red - inlet 1 (H.P.)  
Blue - inlet 2 (L.P.)  
Yellow - outlet/drain port 3
- 4) Flush out the hoses by opening and closing the test ports on the valve being tested.
- 5) Carry out testing, in accordance with the appropriate sequence for the particular type of testable valve, in accordance with the new water regulations in RPZ AIM issue 3.
- 6) Upon completion of testing, always remove and drain excess water from the hoses and the digital gauge.
- 7) It is also good practice to remove the sintered inlet strainers periodically and clean them.

Note: mains pressure readings can be obtained by using the H.P. (red hose) and closing valve #1.

## Supplementary Notes

- 1) When measuring very low differential pressures, you need to place the digital gauge as close as possible to the height of the valve being tested, due to both the accuracy/sensitivity of our gauges, and also "head height" effects.
- 2) Prior to a test, you can re-zero the gauges by simultaneously pressing and holding both soft keys on the gauge, until "off" (Offset) is displayed, repeat until you have 0.0kPa.

## Optional Functions

Gould Digital Backflow gauges also have optional fluid temperature indication and high/low recording ability. These items can be used by scrolling through the menu, using the right side soft [up] key. When you reach either the 'min' or 'max' display, press and hold the right side [up] soft key until the min/max display reverts to 0.0 kPa. You can now perform a new test. Then, upon completion, review the data.



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