

# Comdronic AC6



## Simplicity:

- The nine-button keypad allows simple navigation through the menu system that provides the option to select the most appropriate screen for the work being carried out

## Convenience:

- Lightweight, portable and compact, supplied in a robust carry-case complete with all connectors, tubes, probes and comprehensive instructions

## Sophistication:

- The AC6 can have a database of over 1500 valves from 37 manufacturers worldwide including a unique automatic balancing valve assessment option
- High degree of measurement confidence is achieved through the improved accuracy and damping system
- Differential pressure sensors are protected by unique DSP Technology™ system in the event of overpressure
- PC based software application PcomPRO™ allows the user to build a project prior to visiting the site

The Comdronic AC6 is an electrical manometer programmed to carry out differential pressure measurements primarily on balancing valves in the building industry.

The software and database of the world's balancing valves allow direct readings of flow, differential pressure, percentage of design flow and target flow.

System accuracy is guaranteed by the use of carefully selected sensors protected by DSP Technology™ with resolution and accuracy most appropriate for the range of differential pressures being measured

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### Associated Instrument Repairs

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In the interest of product development and improvement the manufacturers reserve the right to amend specifications at any time without prior notice.

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## Specifications:

### Measurement

Range	0.1 KPa to 250 KPa	0 to 95 °C	
Differential Pressure Accuracy	0.3 to 1KPa ± 0.03 KPa	1 to 10KPa ± 0.05KPa	10 to 250 KPa ± 0.5% reading
Static Pressure	10 Bar Maximum		

### Units

Differential Pressure	Pa, KPa, psi, bar, feetH <sub>2</sub> O, inH <sub>2</sub> O, mtrsH <sub>2</sub> O, mmH <sub>2</sub> O and cmH <sub>2</sub> O
Flow	l/s, l/m, l/h, galls/m (imperial), gpm (US)
Temperature	Celsius, Fahrenheit

### Functions

Flow / Pressure Display	Shows valve type, Kvs value, handwheel setting (variable orifice), differential pressure, flow, valve marker, and valve size. Flow and pressure are shown in large text format.
Multi Display	Shows valve type, Kvs value, handwheel setting (variable orifice), design flow, target flow, differential pressure, flow, valve marker, valve size.
Pressure Display	Large text differential pressure
Flow Display	Large text flow
Predictive Handwheel Position	For adjusting variable orifice valves
Chart Recorder	Shows signal from system in oscilloscope form
Valve Storage	Up to 100 storage locations are available for manually storing valve information on-site. This data can be uploaded to PC if using PcomPRO™ for projects larger than 100 valves use PcomPRO™ project software.
Project Management	The AC6 unit can be supplied with PcomPRO™ project software to allow the user to upload complete project from PC to AC6. Valves can be named individually for ease of identifying on site. Valves settings can be saved on site for downloading to PC on completion of project. Data can then be copied to a spreadsheet for submittal/records
Database	Up to 1950 valves and measuring devices from 41 manufactures worldwide
Edit Functions	Design flow, target flow, specific gravity, Kvs, valve marker, valve group, valve model, valve size, handwheel position. Zero cut-off.
Effective Operating Time	20 hours with standard Alkaline PP3 battery
Spares and Accessories	Tool belt for hands free portability, Replacement hoses up to 3 metres in length, Mechseal style and range of insertion test points

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