

COMDRONIC



# AC6 Commissioning Meter

Manufactured according to EN13828

'Electronic Manometry in the 21st Century'

**Simplicity and Sophistication in a Single Meter for commissioning water based HVAC systems**

## 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.

## Sophistication

- The AC6 can have a database of over 2200 valves from 49 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 our unique DSP Technology™ system in the event of overpressure.
- Optional PC based software application 'PcomPRO' allows the user to build a project prior to visiting site.

## Convenience

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



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# COMDRONIC AC6 SPECIFICATION

## Technical Description

The Comdronic AC6 is an electronic manometer programmed to carry out differential pressure measurements primarily on balancing valves in the building services industry. The state-of-the-art software and extensive database of the world's balancing valves allows direct reading of flow, differential pressure, percentage of design flow and target flow.

The nine button design allows simple navigation of the easy-to-follow menu system with all parameters visible on screen.

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.

## Measurement Accuracy

Differential pressure—  
 Range 0.3-1kPa accuracy +/-0.03 kPa  
 Range 1-10 kPa Accuracy +/-0.05 kPa  
 Range 10-250 kPa Accuracy +/-0.5% reading

## Measurement Range

0.1 kPa to 250 kPa

## Static Pressure

10 Bar Maximum with hoses supplied as standard  
 High pressure options available.

## Effective Operating Time

20 hours with standard Alkaline PP3 battery

## Project Management.

As an option the AC6 commissioning 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. Valve settings can be saved on site for downloading to PC on completion of project. Data can then be copied to spreadsheet for submittal/records. This option needs to be specified at time of order for the AC6.

Contact Comdronic Ltd for further information or access website :-

## Functions

### Displays

**Flow/Pressure display**—shows valve type, Kvs value, handwheel setting (Variable orifice), Differential pressure, Flow, valve maker, valve type, 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 maker, valve type, valve size.

**Pressure display**—large text Differential pressure.

**Predictive handwheel position**— For adjusting variable orifice valves.

**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.

**Help** - Context sensitive help is available for all functions. Dedicated button available for this function

### Units

**Differential pressure**- Pa, kPa, psi, bar, feet H<sub>2</sub>O , Inches H<sub>2</sub>O , mtrs H<sub>2</sub>O , mm H<sub>2</sub>O, cm H<sub>2</sub>O.

**Flow**- l/s, l/m, l/h, galls/m (imperial), gpm (US).

**Temperature**— Celsius, Fahrenheit.

### Edit Functions

Design flow, target flow, specific gravity, Kvs, valve maker, valve group, valve model, valve size, handwheel position. .

### Database

Over 2200 valves and measuring devices from 49 manufacturers worldwide.

## Spares and Accessories

Tool belt for hands free portability.  
 Replacement hoses up to 3 metres in length.  
 Mechseal style and range of insertion adaptors.  
 Rubber boot for protection of hand unit.  
 Toolkit for Double regulating adjustment.



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