

# COMDRONIC AC6

## HIGH PRESSURE Commissioning Meter

'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 2500 valves from 51 manufacturers worldwide including a unique automatic balancing valve assessment option.
- High degree of measurement confidence is achieved through the improved accuracy and damping system.
- 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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Visit our website at [www.eeprocess.com](http://www.eeprocess.com)



**COMDRONIC LTD**

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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 with resolution and accuracy most appropriate for the range of differential pressures being measured.

## Measurement Accuracy

Differential pressure—  
Range 0.07 psi to 3 psi      Accuracy +/-0.003 psi  
Range 3-58 psi              Accuracy +/-1.0% reading  
Hysteresis 0.2% span (Zeroing at each reading will remove this)

## Measurement Range (Differential)

0.07 psi to 58 psi

## Static Pressure

290 PSI Maximum with braided hoses supplied as standard

## 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 E & E Process Instrumentation for further information or access website :- [www.eeprocess.com](http://www.eeprocess.com)

## 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).

### Edit Functions

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

### Database

Over 2500 valves and measuring devices from 51 manufacturers worldwide.

### Spares and Accessories

Mechseal style and range of insertion adaptors.  
Replacement binder style adaptors.