

cimdronic[®] AC6 PATENT PENDING

Commissioning Unit



ELECTRONIC COMMISSIONING TO A NEW LEVEL

Now with unique "DSP technology™" for sensor protection

cimdronic[®] AC6 is a state of the art electronic commissioning meter for measurement of differential pressures and flow-rates of water in HVAC systems. A wide range of features coupled with a database of over 1300 valves, from 34 world manufacturers, make the **cimdronic[®] AC6** the first choice meter for commissioning engineers.

Simplicity

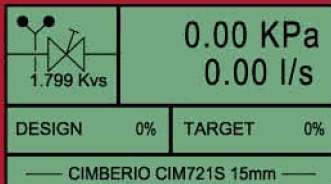
Nine buttons designed for simple navigation allow quick and efficient use of the menu system. The **cimdronic[®] AC6** is arranged with a choice of screen displays-whether it be the full parameter, showing all the data available or simply a screen showing in large text just the differential pressure, the user has the option to select the most appropriate screen for the work being carried out.

Convenience

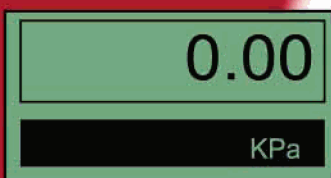
Compactness and light weight enable the user to operate effectively without the inconvenience of bulky equipment. Backlit display, anti kink pipes, snap connectors and approximately 20 hours use from readily available PPS type batteries. The **cimdronic[®] AC6** is supplied in a convenient carry case.

Accuracy

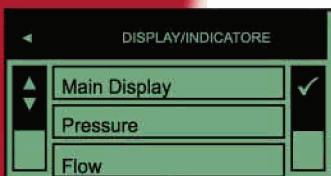
The **cimdronic[®] AC6** uses a sensor calibrated to 20 points and protected by "DSP technology™" allowing the use of sensors most appropriate for the measurement ranges experienced in HVAC and not compromised by the need for sensors selected for high over-pressure with their poor accuracy and resolution at low dp readings. Accuracy is better than 1% or 100 Pascals with system damping to further improve reading confidence on unstable systems.



Multi parameter display for complete system information.



Simple large digit displays for less complex operations.



Easy to navigate menu system.

valve
cimberio[®]

cimdronic[®] AC6

Specification



Technical Description

The **cimdronic 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: better than 100 Pascals or 1% whichever is the greatest.

Measurement Range

0.1 kPa to 250 kPa
0 to 95 deg c

Effective Operating Time

20 hours with standard Alkaline PP3 battery.

User Interface

Software for the **cimdronic AC6** has been designed around simple text files which are supplied on CD rom. Users wishing to edit the files can simply remove the MMC card from the **cimdronic AC6** and using a suitable read/write device and text editor can make the desired changes. Typically, users might wish to add valves or devices not held on the database or, modify the list of valves displayed on the **cimdronic AC6** to allow quicker access to preferred valves.

Database

1300 valves and measuring devices from 34 manufacturers.

Spares

Tool belt for hands free portability.
Replacement hoses up to 3 metres in length.
Mechseal style and insertion testpoints.

Functions

Displays

Main 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.

Flow Display: Large text flow.

Predictive handwheel position: For adjusting variable orifice valves.

Chart recorder: Sample system characteristic.

Fast valve: Up to eight valves with model, size and design flow attributes can be saved to a quick access location for fast recall when balancing systems with multiple valve types/sizes.

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

Units

Differential pressure: Pa, kPa, psi, bar, feet H₂O, Inches H₂O, mtrs H₂O, mm H₂O, cm H₂O.

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. Zero cutoff.

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