

Comdronic Ltd AC6 Submittal 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— better than 100 Pascals or 1% whichever is the greatest.

Measurement Range

0.1 kPa to 250 kPa
0 to 95 deg c

Static Pressure

10 Bar Maximum

Effective Operating Time

20 hours with standard Alkaline PP3 battery

Project Management.

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.

Contact Comdronic Ltd for further information or access website www.comdronic.co.uk

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.

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.

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.

Database

Up to 1500 valves and measuring devices from 37 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 testpoints.