

COMDRONIC AC6 ELECTRONIC MANOMETER



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 1-10 kPa Accuracy +/- 0.1 kPa
Range 10-600 kPa Accuracy +/- 1.0% reading

MEASUREMENT RANGE

0.1kPa to 600 kPa

STATIC PRESSURE

20 Bar maximum with high pressure hoses as supplied.

EFFECTIVE OPERATING TIME

20 hours with standard Alkaline PP3 battery.

PROJECT MANAGEMENT

The AC6 commissioning unit is supplied with PcomPRO™ project software** to allow the user to upload the 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.

**NOTE: PcomPRO™ is not available as standard in all markets.

FUNCTIONS

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 H₂O, Inches H₂O, mtrs H₂O, mm H₂O, cm H₂O.

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

Tool belt for hands free portability.

Replacement hoses up to 3 metres in length.

Mechseal style and range of insertion test points.

Replacement Binder style adaptors.

Overhaul and re-calibration service available in Australia.