

# Controller CMove 1250



Controller CMove 1250

## Technical Applications

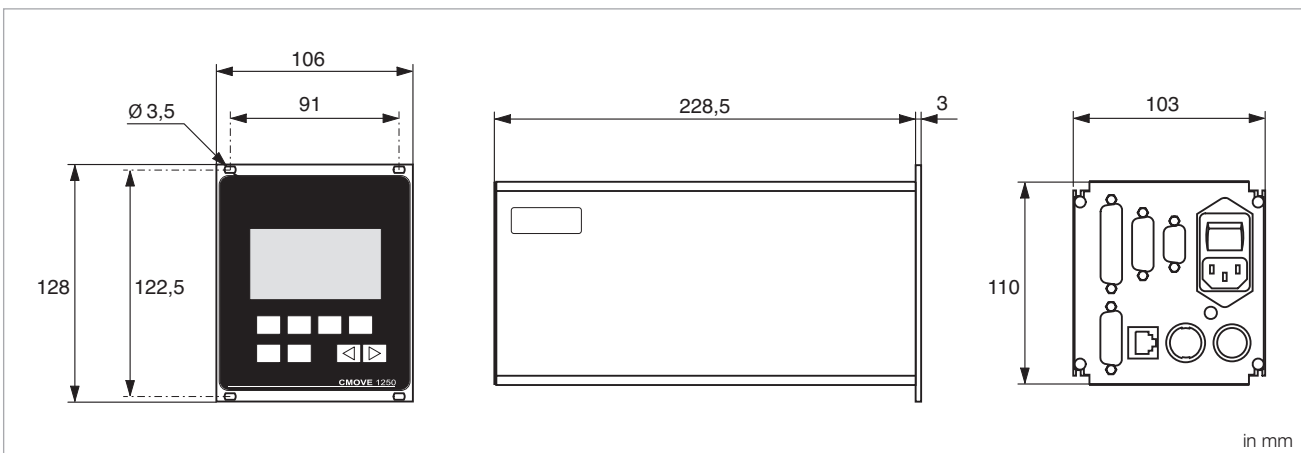
- Simple to operate
  - Self-explanatory LCD display and function keys
- Analog/digital inputs/outputs and interfaces
  - Digital input valve control, switch-over
  - Pressure and gas flow adjustment
  - Digital output valve control, error message
- Adjustable PID control algorithms
- 99 pre-programmed PI control algorithms for fast and simple operation
- For installation or tabletop use (1/4 19")

## Typical Applications

The controller CMove in connection with the electric control valve Move 1250 or Move X is suited for applications in the areas like for example

- Semiconductor industry
- Analytical
- Coating
- Quality control
- Surface treatment

as well as in all applications where simple, fast and accurate pressure control is desired and necessary.



Dimensional drawing for the CMove 1250

## Technical Data

## Controller CMove 1250

Power supply		
Mains voltage, 50/60 Hz	V AC	90 – 250
Power consumption	VA	50
Control types		Auto = (PI) adjustable in 1 to 99 selectable steps PID = PID is user adjustable 0,5% F.S. sensor
Control accuracy <sup>1)</sup>		
Display		LCD 64 x 128 Pixel
Display units (selectable)		
Pressure		mbar, Torr, Pa, mV
Flow		mbar l/s, Torr l/s, Pa l/s, mV
Measurement range		
Pressure control		
CERAVAC		
THERMOVAC		
PENNINGVAC (not for PTR 90)		
IONIVAC		
Pressure control	mV	0 to 10.000
Flow control		
with MOVE 1250		CLOSED, $5.0 \times 10^{-6}$ to $1.25 \times 10^{+3}$ mbar x l/s
with MOVE X		CLOSED, $1.0 \times 10^{-5}$ to $1.0 \times 10^{+2}$ mbar x l/s
with analog output AA 2	mV	0 to 10 000
Operating mode		Gas flow regulation (upstream regulation) Pressure regulation (downstream regulation)
Operating		Local operation or remote control
Digital input		Flow matching, opening/closing of external valves / operating mode flow/regulation / switching on of emission/degas
Digital output		Valve position indication; valve fault; sensor fault; status message for sensor and valve; pressure regulation upstream/downstream
Analog input		0 to 10 V DC setpoint pressure/flow
Analog output		0 to 10 V DC, Pressure sensor signal, valve signal, valve position MOVE 1250
Serial interface		RS 232 C, RS 485 C
Housing		1/4 19", for installation or tabletop use
Weight	kg (lbs)	1.65 (3.64)
Temperature		
Operation	°C	+5 to +50
Storage	°C	-40 to +60
Protection class	IP	30 (EN 60 529)

<sup>1)</sup> Valid for sensor setting 0 to +10 V linear and analog output A02

## Ordering Information

## Controller CMove 1250

	<b>Part No.</b>
Controller CMove 1250	<b>230 200</b>
Control valve Move 1250	<b>230 219</b>
Connection cable CMove 1250 – Control valve Move 1250	
3 m	<b>230 220</b>
5 m	<b>230 221</b>
10 m	<b>230 222</b>
15 m	<b>230 223</b>
20 m	<b>230 224</b>
25 m	<b>230 225</b>
Sensor cable TTR 90, TTR 100, TTR 101, TTR 211, TTR 216, PTR 225, PTR 237	
5 m	<b>124 26</b>
10 m	<b>230 012</b>
15 m	<b>124 27</b>
20 m	<b>124 28</b>
30 m	<b>124 29</b>
50 m	<b>124 31</b>
75 m	<b>124 32</b>
100 m	<b>124 33</b>
ITR 90, ITR 100, ITR 200	
5 m	<b>124 55</b>
10 m	<b>230 022</b>
15 m	<b>124 56</b>
20 m	<b>124 57</b>
30 m	<b>124 58</b>
CTR 90, CTR 91, CTR 100, CTR 101	
5 m	<b>230 013</b>
10 m	<b>230 014</b>
15 m	<b>230 015</b>
20 m	<b>230 016</b>
30 m	<b>230 017</b>
50 m	<b>230 019</b>
75 m	<b>230 020</b>
100 m	<b>230 021</b>