SENTRONIC HD

High accuracy proportional pressure control valve

ASCO numatics™

EMERSON™

High quality pressure control!

SENTRONIC *HD* is a highly accurate three-way proportional valve with digital control. SENTRONIC *HD* is known for its highly accurate pressure control and broad range of diagnostic functions. It is supplied with DaS HD software which can be used with a PC for optimal calibration of the valve.

All process variables can be visualised, e.g. input pressure, output pressure (target value, actual value, control deviation, PID values, frequency). Visualisation simplifies diagnostics, configuration and maintenance.

M12 Connection
Power Supply
Target/Actual Value / Input/Output
Frequency Input

Display

Buttons

Ethernet TCP/IP
Programming Interface

Proportional Pilot Valve

Exhaust:
G 1/4 Connection

Output:
G 1/4 Connection

0.002

SENTRONIC *HD*

MANUAL

SET

Benefits for you:

✓ Control which is stable under pressure

✓ Comprehensive diagnostic functions

✓ Industry 4.0 ready

✓ Control deviation < 0.25 %

✓ Minimal power consumption (< 5 Watt)

✓ Minimal heating of the device

✓ Integrated web server
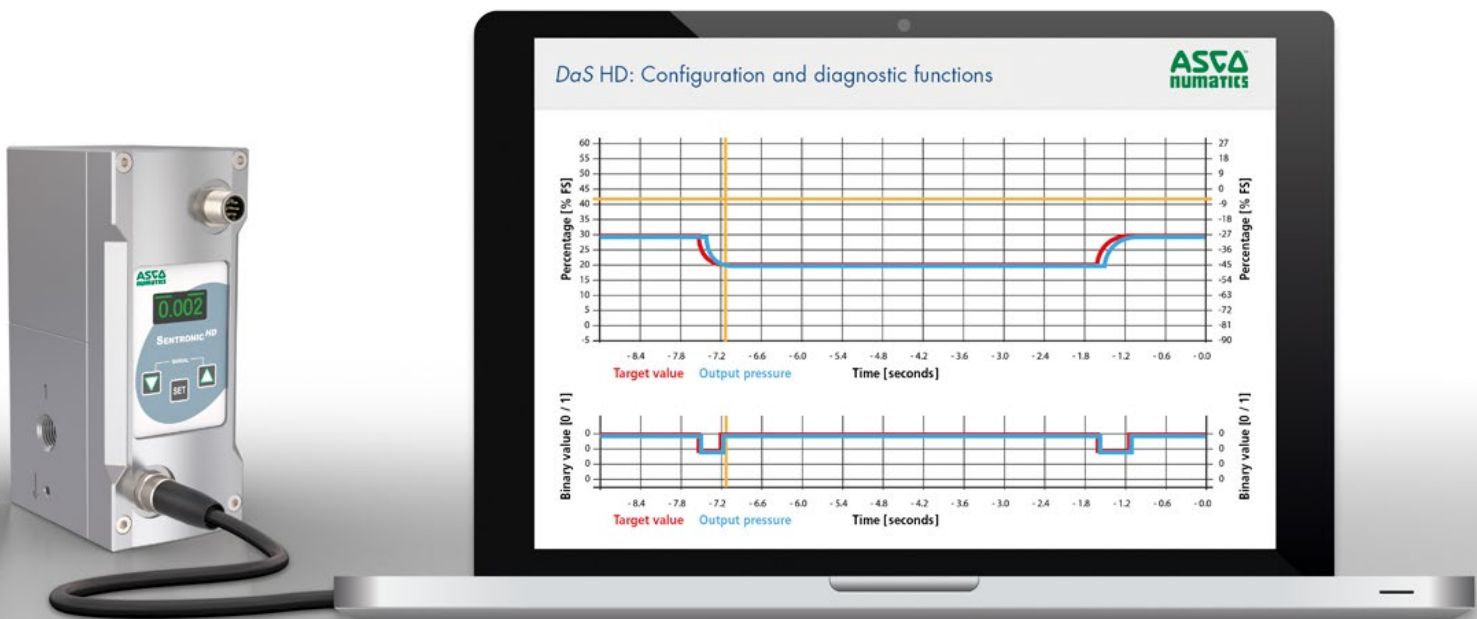
Simple startup procedure and control via PC:

Using the *DaS HD* program (*DaS* = *D*ata *A*cquisition *S*oftware) and an Ethernet TCP/IP programming interface on the PC, it is possible to optimise performance for the application.

• The transient response can be recorded and read immediately using the SCOPE function.

• Saved valve data can be accessed at any time.

Diagnostic functions:

• Input pressure monitoring

• Target value monitoring

• Current monitoring

• Temperature monitoring

• The control process can be stored.

Technical data

Medium	Air or neutral gases
Connection	G 1/4
Nominal size	DN6
Responsiveness	0.25%
Hysteresis	0.25%
Repetitive accuracy	0.25%
Power consumption	5 Watt
Flow rate	1200 Nl/min
Input pressure	0 to 12 bars
Output pressure	0 to 10 bar
Ambient temperature	+0°C to 50°C
Control	0 – 10 V, 0 – 20 mA, 4 – 20 mA or frequency input

Scan the QR code to see ASCO in action.
Or visit www.asco.com/en-gb/Pages/pneumatic-valve-series-616.aspx

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