

Smartronic iQ Your Intelligent partner

TRANSITION TO THE NEXT LEVEL

Smarter Technology, Smarter future: Intelligence at work

Smartronic iQ

SALIENT FEATURES

Technology



• Flapper nozzle – Better dynamic control, Proven technology

Communication

- HART 7
- FDI package/DD Positioner control and diagnosis
 - -Online diagnostics
 - -Namur alarms and event monitoring
 - -Vibrational diagnostics
 - -Counter diagnostics
 - -Advanced controls and parameterization through HART FDI package.



- Vibration sensor
 - Tool for Valve health diagnosis,
 - Valve and process induced vibration monitoring
- USB port for diagnostic data download



- Single touch/ auto calibration
- Graphical LCD Full text display, no abbreviations
- Two Digital outs –NAMUR and 24V digital outputs
- Split range, valve characteristics modification, tight shut off/open
- Metallic Housing (Case: Aluminium diecast) as standard for better ruggedness & handling
- High resolution and accurate noncontact feedback sensor
 - Higher stroke measurement made easy
 - Gearless, frictionless, no wear and tear



- Analog Position Transmitter as default
- Rotary and Linear actuator compatible
- Compatible with Single and double acting actuators
- Separate Pressure Sensor PCB

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PERFORMANCE FIGURES

sensitivity 0.3% FS

HYSTERESIS

REPEATABILITY

deadband



SPECIFICATIONS

GENERAL

Linear Motion Range: up to 300 MM

Rotary Motion Range: Up to 359 Deg



Emission and Immunity as per EN IEC 61000



Humidity - 5 to 95% RH at 40°C

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- Air consumption : <1NL/Min (estimated).
- Air Output rate: >200NL/Min (estimated) @ 6bar supply pressure.

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- Air connection: ¼ NPT
- Conduit entry: G ½ or ½ NPT or M20x1.5P



Protection: IP66

OTHER SPECIFICATIONS

OPERATING TEMPERATURE -40°C ~ +80°C

SUPPLY PRESSURE

1.4 bar - 7 bar (20 psi - 100 psi)

570 F5

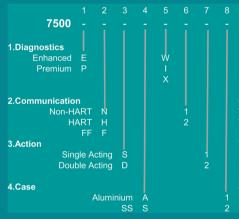
LINEARITY

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CONTROL FCR YOUR EVERY ENDEAVOUR.

MODEL DECODIFICATION



5.Ingress Protection/ Hazardous Area IP66(default) Intrinsic Safe Exd IIC

6.Position Feedback Without With 4-20 mA feedback

7.Fail Action Fail Safe Fail Freeze

8.Conduit Entry 1/2" NPT M 20



Discover the evolution of fluid technology with KSB. Our legacy in pumps and valves since 1871 is a testament to enduring excellence, now augmented by a strategic foray into digitalization. Uncover the power of innovation at KSB with SMARTRONIC iQ, a smart positioner for control valves, as we chart a course of relentless advancement in new age technology.



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