

mokveld intelligent valve positioner

product summary sheet

Type designation	Intelligent valve positioner
Mokveld model	SRD991
Housing	Aluminium or Stainless steel
Controllability	Easy to operate, menu-driven graphical LCD Multilingual full text display, visible also with cover closed All parameters can be configured locally by push buttons
Diagnostics	Status and diagnostic messages visible on LCD display Advanced diagnostics for valve predictive maintenance Premium diagnostics for valve signatures, on-line friction, ..
Suitable for	Safety applications up to SIL 3 ATEX and FM approval for EEx ia - 'intrinsic safe'
Communication	HART Protocol with only 420 Ohms load PROFIBUS PA acc. to IEC 1158-2 based on FISCO FOUNDATION Fieldbus HI acc. to IEC 1158-2 based on FISCO with PID, AO, 2 x DI, DO function blocks and LAS functionality Infrared interface for wireless communication
Mounting	Easy mounting to all Mokveld actuators
Options	Limit switches and position transmitter Gauge manifolds or volume boosters Pressure sensors for supply air and outputs



Mokveld intelligent valve positioner technical data

- **Advanced diagnostics** • Auto start • Custom characterization • Auto diagnostic • Alarm management
• Alarm output for switching (with option board) • Status list acc. NEI07
• Position history • Response history
- **Premium diagnostics** • On line friction • Stepping signature • Ramping signature • Sensitivity signature
• Valve signature • PST • PST predictive maintenance
- **Communication**
 - Set point 4-20 mA / load 300 Ohms
 - HART Set point 4-20 mA
Load 420 Ohms
 - PROFIBUS PA and FOUNDATION Fieldbus HI
Base current 10,5 mA ± 0,5 mA + FISCO
FDE (Fault Disconnection Electronic)
 - FoxCom Digital
certified DTMs for HART, Profibus PA and FF HI
- **Display**
 - Multilingual graphical LCD with full text display
 - LEDs
 - Mechanical indicator (standard)
- **Supply** 1,4 to 7 bar (20 to 105 psig) instrument air or natural gas (clean)
- **Protection class** IP 66, NEMA 4X
- **Electrical classification** • ATEX 'intrinsic safety' II 2 G EEx ia IIC T4 / T6
• FM / CSA 'intrinsic safety' Class I, Div. I, Groups A, B, C, D
- **Electrical connection** M20 x 1,5
- **Pneumatic connection** ¼" NPT
- **Ambient temperature** -40 to +80 °C (-40 to +176 °F)
- **Weight** 1,7 kg / 3,7 lbs (double acting: 2 kg / 4,4 lbs)
- **Optional features (plug & play)**
 - Inductive limit switches (2- or 3-wire) • Position transmitter (4-20 mA)
 - Binary inputs or binary outputs • Binary inputs / outputs dedicated to SIS logic solvers
- **Failure action**
 - Fail close / open
 - Fail stay put on loss of supply and/or loss of signal

For more detailed information, please contact Mokveld.