

mokveld universal valve positioner

product summary sheet

Type designation	Universal valve positioner
Mokveld model	SRD960
Housing	Aluminium
Controllability	Easy to operate, menu-driven with graphical LCD Multilingual full text display, back lighted for easy reading All parameters can be configured locally by push buttons
Diagnostics	Status and diagnostic messages visible on LCD display
Suitable for	Safety applications up to SIL 3 ATEX and FM approval for EEx d - 'flame proof' / 'explosion proof'
Communication	HART Protocol with only 360 Ohms load at 20 mA 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 or position transmitter Gauge manifolds and volume boosters Pressure sensors for supply air and outputs



Mokveld universal valve positioner technical data

- **Advanced diagnostics**
 - Auto start with self calibration
 - Self-diagnostics
 - Advanced diagnostics for valve predictive maintenance
 - Configuration of characteristic curves
 - Travel-stop and cut off functions
- **Communication**
 - HART Set point 4-20 mA
Load 360 Ohms at 20 mA
 - PROFIBUS PA and FOUNDATION Fieldbus HI
Fieldbus protocol acc. to IEC 1158-2 (FISCO)
Base current 10,5 mA ± 0,5 mA
FDE (Fault Disconnection Electronic)
 - FoxCom Digital
- **Display**
 - Multilingual graphical LCD with full text display:
 - display of % valve position,
 - actuator position in mm, inch or °,
 - set point or loop current,
 - travel sum- and cycle counter etc.
 - LEDs
- **Supply** 1,4 to 7 bar (20 to 105 psig) instrument air
- **Protection class** IP 66, NEMA 4X
- **Electrical classification**
 - ATEX II 2 G EEx d IIC T4 / T6 (flame proof)
 - FM Class I, Div. I, Groups A, B, C, D (explosion proof)
- **Electrical connection** M20 x 1,5
- **Pneumatic connection** ¼" NPT
- **Ambient temperature** -40 to +80 °C (-40 to +176 °F)
- **Weight** 2,7 kg / 3,7 lbs (double acting: 3 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.