

Pioneers in Valve Communication & Monitoring Systems



World Leading Valve Position Monitor Manufacturers

Imtex Controls specialises in valve position monitors and valve monitoring and testing solutions for automated valves.

Our product range can cater for a variety of situations and process industries, from hazardous environments through to general purpose manufacturing. We ensure that our products have a long service life and low maintenance requirements, meaning that operating costs are kept to a minimum.

Imtex valve communication systems are designed to be safe, easy to install, use and maintain. Our systems comply with the applicable sections of the most demanding international electrical standards and to the requirements of the latest European Directives, covering functional safety and the environment.

Our Products

NEW Type LCA



Application General Purpose, End of Travel Feedback

Material Hard Anodised Aluminium

Options 2 Switches Only

Key Features

- Direct Mount, Space Saving Design
- Second Entry for Back-wired NAMUR Solenoid

Certified: General Purpose Only

Type SRX



Application General Purpose, Flameproof and Intrinsically Safe. End of Travel and Continuous Feedback

Material 316 Stainless Steel or Hard Anodised Aluminium

Key Features

- Compact Design
- Up to 6 switches or 4 switches plus transmitter
- Top mounted, high visibility open/closed indicator
- IP66/67 protection

Certified ATEX / IECEx II 2 G / Ex ia IIC T4/5/6 or II 2 GD / Ex d IIB T6

Type SQ



Application General Purpose and Flameproof End of Travel and Continuous Feedback

Material Hard Anodised Aluminium – Epoxy Coated

Key Features

- Close Coupled Mounting Design
- Screw-on Cover
- Space Saving Indicator with %age graduation
- Easy Access Terminals
- IP66/67 protection

Certified ATEX / II 2 G / Ex d IIC T5

Type SRA



Application General Purpose and Flameproof. End of Travel and Continuous Feedback

Material Hard Anodised Aluminium

Key Features

- Compact Design
- Up to 4 switches or 2 switches plus transmitter
- Top mounted, high visibility open/closed indicator
- IP66/67 protection

Certified II 2 GD / Ex d IIC T4/T6 or II 2 GD / Ex d IIB +H2 T4/T6

Type SLR



Application General Purpose and Intrinsically Safe. End of Travel Feedback

Material Polycarbonate (Engineered Resin)

Key Features

- Compact, Robust Design
- Quick Access Lockable Cover
- Adjustable, high visibility open/closed indicator
- IP67 protection

Certified II 2 GD / Ex ia IIC T4/T6 or II 2 G / Ex ia IIC T4/5/6

Type AQ



Application General Purpose and Intrinsically Safe. End of Travel and Continuous Feedback

Material 316L Stainless Steel or Hard Anodised Aluminium – Epoxy Coated

Key Features

- Close Coupled Mounting Design
- Up to 6 switches or 4 switches plus transmitter
- Screw-on Cover
- Space Saving Indicator with %age graduation
- Easy Access Terminals
- IP66/67/68 protection

Certified ATEX II 2 G / Ex ia IIC T4/6

Type DQ



Application Increased Safety and Encapsulation. End of Travel Feedback

Material 316L Stainless Steel

Key Features

- Close Coupled Mounting Design
- Up to 4 switches
- Screw-on Cover
- Space Saving Indicator with %age graduation
- Easy Access Terminals
- IP66/67/68 protection

Certified II 2 GD / Ex emb IIC T4/6





Type XS/MXS



Application Sub Sea Locations to 1000m. End of Travel and Continuous Feedback

Material 316 Stainless Steel

Key Features

- Pressure resistant enclosures
- Redundant sealing systems
- Diver friendly access for install, monitoring and maintenance
- Dual function position monitoring system
- Compact mounting arrangements for quarter –turn and linear process valves
- IP68 protection

Type IQ



Application Flameproof. End of Travel and Continuous Feedback

Material 316L Stainless Steel

Key Features

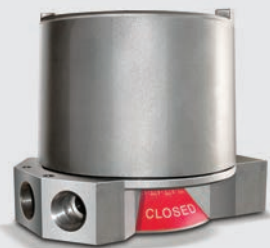
- Close Coupled Mounting Design
- Up to 6 switches or 4 switches plus transmitter
- Screw-on Cover
- Space Saving Indicator with %age graduation
- Easy Access Terminals
- IP66/67/68 protection

Certified II 2 GD / Ex d IIC T4/6



Valve Condition Monitoring and Testing Made Easy

Valvescan Type VSD CF8M (316) Stainless Steel



Our VSD valve controller is an integrated valve information device for Emergency Shutdown (ESD) valves. It combines valve position monitoring, online performance monitoring and full stroke test (FST) or partial stroke test (PST) functionality.

The VSD unit is an information hub for the ESD valve, enabling plant operators to verify the capabilities of the most critical valves in their installations without having to significantly modify existing operating methodologies.

The VSD is offered in an IP66/67 CF8M (316) stainless steel enclosure for superior corrosion protection & mechanical resistive properties

Optional: CF3M (316L) stainless steel and coated, hard anodised aluminium

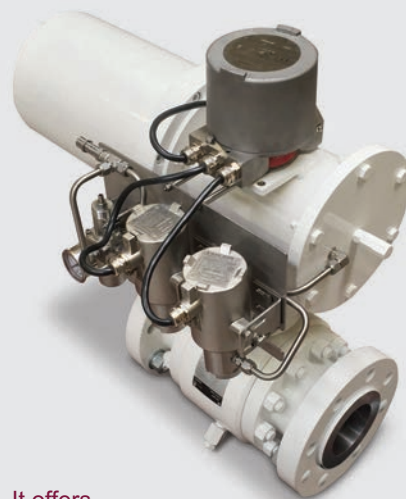
Certified: ATEX / IECEx Dual Certified Ex d (ia) IIC T4/6 flameproof for zone 1 & 2 hazardous areas

Key benefits

- Valve position by a continuous feedback transmitter / discrete switches/sensors
- Full or partial stroke test functionality - local or remote initiation
- Online condition monitoring - data harvesting during shutdown activation
- Option for independent Solenoid Valve test
- Various protocols to communicate with the VSD incl. HART, Modbus and Bluetooth (Optional: Foundation Fieldbus)
- Smart calibration allows easy installation & configuration
- Compact design - considerable space saving without compromising installation or maintenance

24/7 IIoT Valve Health Monitoring

Valvescan Diagnostic Monitoring System



Imtex have been supplying valve monitoring and testing solutions that are easily implemented to both new and ageing assets, to enable operators to log data from shut down valves for over 5 years. These solutions enable operators to meet their HSE commitments and help improve operational efficiencies.

Imtex have now developed the Valvescan Diagnostic Monitoring System – an end-to-end solution that captures data from every valve operation, analyses it and provides targeted alerts on the valve health without any requirement for involvement from plant personnel or any potential impact on the asset real-time control integrity. It is a true IIoT solution for automated valves.

It offers

- Easy installation, fitting where the switchbox would on a Valve Assembly
- Works with any existing valve system without any special considerations
- Monitors every operation via an on board Controller which records key performance data
- Enables data retrieval and transmission to the Cloud without intervention from plant personnel or risk to the plant process control system
- Databases and analyses every valve operation and provides a real-time health check on the valve, as well as full valve history within a site specific web portal
- Provides alerts to personnel when performance drop off is detected





Communication for all Types

Bus Communication

All our communication systems can be supplied to operate with the most popular bus protocols, providing significant cost savings for installation and maintenance downtime when compared with conventional analogue systems.

All our mechanical platforms can be connected on a bus communication network using either an electronic communication board or VCT Dual Module which integrates the following into a single compact package;

- Solid state position sensing
- Communication electronics
- Power outputs
- Auxiliary inputs
- Wire termination

				Modbus®	DeviceNet™	
type AQ	● (70)	● (70, 93*, 94*)	● (70)	● (95*)	● (92*)	● (96*, 97*)
type IQ	● (70)	● (70, 93, 94)	● (70)	● (95)	● (92)	● (96, 97)
type SQ	-	-	-	-	-	● (96)
type SRA	● (70)	-	-	-	-	-
type SLR	● (70)	● (93*, 94*)	-	● (95*)	● (92*)	● (96*, 97*)
type SRX	● (70)	-	-	-	-	-
type VSD	● (01, 70)	● (01)	-	● (01)	-	-
type XS	● (70)	● (70)	● (70)	-	-	-

● Bus protocol available. * Non-hazardous.

Product Hazardous Certification

Protection Concept	Monitor Type	Standard	Zones	Certificate Number	Marking	Electrical Functions
Intrinsically Safe	AQ	EN60079-11	0, 1 & 2	Sira 10ATEX2060X	II 2 G / Ex ia IIC T4/6	17,40,42,43,52,53,56,59,70
	SLR	EN60079-11		Sira 15ATEX2191X	II 2 GD / Ex ia IIC T* Gb or Ex ia IIIC T** Db	17,40,42,43,70
		EN60079-11		IECEx SIR 15.0067X		
	SRX	EN60079-11		Sira 09ATEX2162X	II 2 G / Exia IIC T4/5/6	17,40,42,43,52,53,56,59,70
		IEC60079-11		IECEx SIR 09.0066X		
Flameproof	IQ	EN60079-1	1 & 2	Sira 08ATEX1266X	II 2 GD / Ex d IIC T4/6	14,16,17,25,40,42,43,52,53,55, 56,58,59,70,92,93,94,95,96,97
		EN61241-1		IECEx SIR 08.0099X		
		IEC60079-1				
		IEC61241-1				
	SQ	EN60079-1		FM08ATEX0008X	II 2 G / Ex d IIC T5	16,17,25,40,42,55,70,96
	SRA	EN60079-1		TRAC12ATEX0050X	II 2 GD / Ex d IIC T4/6 or II 2 GD / Ex d IIB +H2 T4/6	14,16,17,25,40,42,43,52,53,55, 56,58,59,70
		IEC60079-1		IECEx TRC 12.0022X		
	SRX	EN60079-1		Sira 10ATEX1219X	II 2 GD / Ex d IIB T6	14,16,17,25,40,42,43,52,53,55, 56,58,59,70
		IEC60079-1		IECEx SIR 10.0106X		
	VSD	EN60079-1		TRAC13ATEX0005X	Ex d (ia) IIC T4/6 / II 2 GD	01,14,16,17,25,40,42,43,70
		EN60079-11				
		IEC60079-1				
IEC60079-11						
Increased Safety/ Encapsulation	DQ	EN60079-7	1 & 2	Sira 12ATEX3032X	II 2 GD / Ex emb IIC T4/6	25, 58
		EN60079-18		IECEx SIR 12.0009X		
		IEC60079-7				
		IEC60079-18				



IMTEX Valve Communication

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