

# INTELLIGENT EFFECTIVE SAFETY VALVE CONTROL

**THE ABILITY OF SAFETY VALVES TO PERFORM IN EMERGENCY SITUATIONS IS CRITICAL TO PROTECT PERSONNEL, EQUIPMENT AND THE ENVIRONMENT AGAINST RISK AND TO MAINTAIN THE MANDATORY SAFETY INTEGRITY LEVEL (SIL) FOR YOUR PLANT.**

To guarantee performance, you must be certain that the valves and the equipment controlling these valves will perform when called upon.

## EFFICIENT AND RELIABLE

Digital EPIC-2 is an intelligent valve position transmitter designed especially for safety valves.

Its advanced diagnostics functions enable Emergency Shutdown (ESD), Partial Stroke Testing (PST), Solenoid Operated Valve Testing (SOVT) and Full Stroke Testing (FST) to be carried out efficiently and reliably, to ensure effective maintenance of your SIL up to level 3.

Combining a powerful state-of-the-art ARM® 32-bit microcontroller-based intelligent position transmitter with proven solenoid valve technology in a single, compact unit, its unique and smart diagnostics increase the safety, reliability and efficiency of plant operation simply and effectively.

Its sophisticated diagnostic functions lower the total cost of ownership by suggesting predictive maintenance of the valve under operation before it fails and interrupts the process, with intelligent alarms that pinpoint the root cause of problems, enabling you to ensure effective maintenance and operational integrity of your safety valves.

- ARM® 32-bit microcontroller based smart position transmitter with 4-20mA position feedback
- Valve position measurement via non-contact local or remote mount magnetic sensor with no moving parts, providing high accuracy and reliability
- Choice of factory configured solenoid coil & valve in a single integrated solution or the ability to select a custom solenoid valve with a choice of Cv rating and coil voltage
- Password protected 3 button local user interface with high contrast graphic LCD and optional backlight
- Remote user interface using HART® 7 DD/FDT® DTM 1.2 for seamless integration into any control system or Safety Instrumented System (SIS)
- Easy configuration using guided setup wizard and auto calibration
- Emergency Shutdown (ESD) status and alarm
- Partial Stroke Testing (PST) and pressure profiling
- Solenoid Operated Valve Testing (SOVT)
- Full Stroke Testing (FST) and pressure profiling
- Intelligent alarm system



**D530 Intrinsically Safe Digital EPIC 2**



**D510 Flameproof Digital EPIC 2**