



CRS-SV

for Safety Valves



Computer Registrations System

Using semi automatization and customisation METRUS-CRS reduces software interaction of the operator to a minimum. In an ideal szenario the CRS software has a direct connection to an existing customer data base.

- ▣ Leak calculation and detection in accordance with API 527
- ▣ METRUS analogue / digital converter (PC-Box) with 0.05% accuracy.
- ▣ Separate tests and diagrams for set pressure and seat leakage test
- ▣ 4 result cursors:
 - Leaking point
 - Popping pressure
 - Set pressure
 - Reseating pressure
- ▣ Real-time measurement and visualisation
- ▣ Simple and intuitive operation via industrial panel PC and touch screen
- ▣ 8 sensor ports
- ▣ Individual selection of parameter dimensions
- ▣ Individually designed test reports
- ▣ PDF export with a single button click
- ▣ Optional input of additional test results
- ▣ Display of test pressure ramp rate
- ▣ Automatic passed/failed analysis
- ▣ Free support via remote desktop

Options

- Connection to existing ERP-System
- Visualization of 2 parameters in combination. For example: pressure-lift diagram
- Electronic sign pad for 2 digital signatures on the test report.

Test Report

Safety Valve Test Report		METRUS
Printed	07/11/2018	
Test date	03/07/2018	
Order Data		Order No. _____
Customer no.	1	
Company name	METRUS GmbH	
Valve Data		Valve ID 1 Demo 30 bar
Manufacturer	METRUS	Inlet Size inch _____
Series		Outlet Size inch _____
CDTP Test		
Exp. CDTP	30,00 bar	
CDTP Choice	Start to L.	
Set CDTP	30,20 bar	
Tol. Range	29,10 > 30,90 bar	
Test Result?	CDTP passed	
Reseating Pressure	28,25 bar	
Blow Down	1,95 bar	
Back Pressure Test	Not carried out	
Leak Test [as per API 527]		
Leak Test Fluid	Air	
Seat Type	metall	
Effective Orifice Ao	inch ²	
Leak Limit [API Bu/min]		
Leak Limit	0,00 Bu/min EN	
Set Leak	0,00 Bu/min EN	
Leak Test at	0,00 bar	
Set Leak Test Pr.	0,00 bar	
Leak Test Result	L.T. passed	
		*(man.) = Leak result value entered manually
Tester Junior		

Panel-PC on swivel mounted support arm



Main control screen

