



System302 and Its Features



1. Complete Foundation Fieldbus Design: Open, Integrated and Modern.
2. The first and only system in market to take the Foundation Fieldbus Technology and Distribution into
3. Fieldbus H1 Network on Plant Floor Level
4. Foundation Fieldbus High Speed Ethernet (HSE) on Data Highway Level
5. 17 Different Function Blocks in each Device
6. Instantiable Function Blocks
7. Up to 16 Devices per channel, in safe or hazardous areas
8. Intrinsically Safe Ready
9. Distributed Linking Devices with Foundation Fieldbus Function Blocks, Bridges and multiple LAS.
10. Direct Conventional I/O access through Foundation Fieldbus Function Blocks
11. Ladder Logic Integration with FF through Flexible Function Blocks
12. Dedicated I/O Coprocessor for Ladder Logic, Interlocks and Sequencing
13. Modular Concept
14. Horizontal Communication Among Link Devices and Controllers
15. Field Devices with LAS – Field Backup LAS
16. Multiple Backup LAS in the Field
17. Full Redundancy
18. Redundant Linking Devices
19. Redundant Ethernet
20. Redundant FF H1 Interfaces
21. Redundant FF Controllers
22. Redundant Power Supplies
23. Open Solution with OPC (Any OPC software can be used)
24. True Distributed Control (95% of process control loops in the Field Devices)
25. High Reliability and Availability due to Redundancy and Distribution
26. Modbus RTU and Modbus TCP/IP interface for integration with other systems
27. Interoperability Guaranteed
28. Capacity to drag and drop Function Blocks from FF controller (linking device) to Field Instrument without any further configuration.
29. Configurable Background Time

30. Seamless Function Block Execution as DCS or FCS
31. Easy Loop Integrity Evaluation(Live Strategy)
32. Interface (LAS) Replacement without re-download. The Schedule is built automatically
33. Automatic Assign Tag on Re-Initialized Devices
34. Complete Communication Optimization Through FF transducer block on Linking Devices
35. "On Data Change" supervision communication
36. Macrocycle Analysis by the linking device.
37. Supervision Time Analysis by the linking devices.