



## FOUNDATION for SIF Interoperability Test Kit

### FOUNDATION Fieldbus Safety Instrumented Functions Device Testing



#### Description

The FOUNDATION for SIF Interoperability Test Kit (SIF ITK) is the interoperability test kit for FOUNDATION for Safety Instrumented Functions devices. The SIF ITK is a means to ensure interoperability between Fieldbus equipment in modern safety systems. The SIF ITK is for internal testing only, so manufacturers should contact a certification agency for information regarding safety certifications.



#### Features

- Assists in Device Development (test during development)
- Pre-testing a device to minimize testing costs
- Runs all or a portion of the test cases
- Enables developers to implement safety function capabilities
- Helps developers troubleshoot SIF devices during development
- Demonstrates interoperability of devices that are manufactured according to FOUNDATION specifications

#### System Requirements

- Microsoft Windows® XP, 7 (32-bit)
- 200MB+ hard disk space

#### General Hardware Requirements

- Fieldbus Power Supply & Conditioner
- Terminators (2)
- Fieldbus 9-pin fieldbus cables (2)

#### Part Warranty

- 1 year parts warranty against manufacture defect

**Kit Components**

| <b>Qty</b> | <b>Item</b>  | <b>Rev. No.</b> |
|------------|--|-----------------|
| 1          | FOUNDATION for SIF Interoperability Test System Software   | 1.2.0           |
| 1          | Test Function Block (Black Box)  | N/A             |
| 1          | Fieldbus Diagnostics and Communications Interface w/ SIF Known Good Device (KGD) Firmware Module | N/A             |
| 1          | National Instruments PCI-FBUS/2 board  | N/A             |
| 1          | Cat5 Network Cable (crossover)   | N/A             |
| 1          | 24v (750mA) power supply (multi-plug)  | N/A             |
| 1          | Product License Agreement  | N/A             |
| 1          | Software Maintenance Agreement   | N/A             |