

The Relcom Fieldbus ComTool (FBT-9)

establishes communications among Foundation Fieldbus devices without a DCS allowing early checkout of wiring and devices. When paired with an FBT-6 diagnostic tool or F809F Fieldbus Diagnostic Module, the FBT-9 is ideal for getting Fieldbus checkout done early. Commissioning time is reduced by eliminating wiring and device problems ahead of time. Troubleshooting during commissioning is also simplified because the wiring and devices have already been checked out. The FBT-9 is an excellent tool for checking out functionality of Fieldbus segments on skids before shipment to site and supports acceptance testing of installation work done by subcontractors.

Who Needs an FBT-9?

- Contractors that need to prove Fieldbus wiring and device installation is done correctly.
- Customers that want to check the work of contractors before payment is released.
- Skid manufacturers desiring to verify correct Fieldbus wiring and device installation before the skid leaves the factory or once the skid is on site.
- Customers that want to perform acceptance testing on Fieldbus wiring and devices.
- Fieldbus device manufacturers performing functional test prior to product shipment.
- Anyone needing the Fieldbus devices on a segment to communicate, but does not need the functionality of a costly DCS.



How the FBT-9 Works

Normally a DCS is required to establish communications on a Fieldbus segment. However, a DCS is not always available before delivery of a skid or in the early stages of pre-commissioning. Attach an FBT-9 to a powered segment and it gets all devices on the segment communicating for you - with no DCS. Use an FBT-6 or the F809F attached to the segment to verify all of the devices are communicating at proper signal levels, check for noise, retransmits, shield shorts, and more – all before the DCS is running. Properly remove the FBT-9 and the segment remains fully compatible with DCS device commissioning.



Specifications

Parameter	Specification
Input Voltage (Fieldbus)	17 to 32 VDC
Input Voltage (USB)	4.1 to 5.5 VDC
Input Current (Fieldbus)	40mA max.
Input Current (USB)	10mA max.
Power Dissipation	1.28W max.
Operating Temperature	-20 to +50°C
Dimensions	146 x 88 x 28 mm (5.7 x 3.5 x 1.1 inches)
Weight	200g (0.44 lb.)
Case Material	Black ABS

Connections

The FBT-9 comes with a cable with a clip-on probe that easily snaps on to Megablock connector plugs. It also includes a cable with mini-hooks for connecting the FBT-9 to other locations.

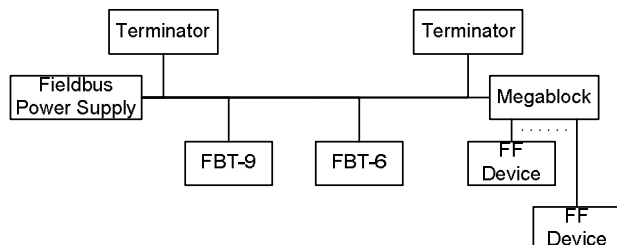


Figure 1 – Example FBT-9 Application

A USB cable is provided to connect the FBT-9 to a PC allowing firmware upgrades that will support future features.

PC requirements

Operating system: Windows® XP, Vista, or 7
USB version: 1.1, 2.0, 3.0

Accessories

Part #	Description
FBT-6	Handheld Fieldbus Diagnostic Tool
F11	Power Hub
FCS-A11	Battery Pack (Power Hub power in the field)
FBT-10	Fieldbus Commissioning Box
F809F	Fieldbus Diagnostic Module

Foundation Fieldbus is a trademark of Fieldbus Foundation, Austin, Texas.

Specifications are subject to change without notice.

