VIVACE™
Process Instruments
Exceeding Automation Limits

VCI10-BP

BLUETOOTH® PROFIBUS COMMUNICATION INTERFACE

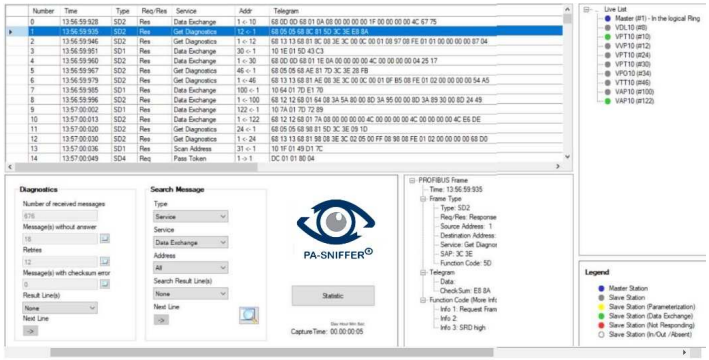
- ✓ Bluetooth® communication with Android® and Windows® devices
- ✓ Provides power to Profibus devices: 21 Vdc ± 10%
- ✓ Indicative LEDs for communication and diagnostics
- ✓ Local and Multimaster Remote Modes
- ✓ USB-Rechargeable batteries
- ✓ Micro-USB adapter cable included
- ✓ Easy Windows® and FDT/DTM installation
- ✓ Works with any Profibus tool in Windows® using serial port
- ✓ PA-SNIFFER®
  Freeware Profibus-PA Frame Complete Analysis

DESCRIPTION

Vivace VCI10-BP communication interface provides connection between any Profibus device and smartphone/tablet or personal computer based on Windows® via Bluetooth® communication.

VCI10-BP does not require external power, since it uses electrical current supplied by its batteries and enables user to power Profibus device when in stand-alone mode. It can also be connected directly to industrial communication bus, Profibus-PA, creating a very interesting and efficient interface for configuring, calibrating and monitoring the network field devices.

For Windows® platform, it works with FDT/DTM tools and with any Profibus-PA tool that uses serial port communication, allowing bench tests (when the interface itself can power the device) and network complete remote configuration, in an easy and secure way.



VCI10-BP, in addition to allowing easy parameterization and calibration of PROFIBUS-PA equipment with FDT/DTM tools (eg PACTware, FieldCare, FieldMate etc.) also works as a message (frames) analyzer, using the PA-SNIFFER® tool.

OPERATION MODE

LOCAL

When this operation mode is selected, VCI10-BP can power the device to be configured directly and also work with devices already powered with a Profibus DP/PA coupler.

DTM communication driver is provided with the interface and can also be obtained on our website www.vivaceinstruments.com.br. Using this driver, user will be capable to use any FDT application, such as PACTware® or any other configuration tool that uses this technology, since it is installed on a device enabled by Bluetooth technology, like personal computers or smartphones, for instance.

REMOTE (PA BUS)

Through “PA Bus” operation mode, VCI10-BP can communicate with a PROFIBUS automation network already powered and comissioned without the need of a network controller. This is only possible due to a very powerful processor present on VCI10-BP circuit, which can act as secondary master and allowing its use for Profibus mono ou multimaster operation.

TECHNICAL AND PHYSICAL SPECIFICATIONS

Power Supply	Batteries (7.2 V)
Output Voltage	19.5 Vdc (@ 20 mA load); 21 Vdc (open circuit)
Communication Protocol	IEC 61158-2 Standard; 31.25 kbits/s
Classified Area	Not Intrinsically Safe
Environment Temperature Limits	0 to 50°C @10-90 RH (no condensation)
FDT/DTM Compatibility	Yes
Operational Systems	Win XP, Win 7, Win 8, Win 8.1, Win 10 (32 and 64 bits)
Profibus-PA Bus Connection	Bluetooth connection for HOST and clip probes for PA side (1.0 m)
Dimensions / Approximated Weight	135 x 65 x 25 mm (A x L x P) / 70 g

*VCI10-BP is not certified for classified areas.
*DTM files are distributed by device manufacturers. Vivace only provides DTM files for Vivace equipments.

ORDERING CODE

VCI10 *Communication Interface*

Communication Type	**U**	USB
	A	ANDROID
	B	BLUETOOTH
Communication Protocol	**H**	HART
	P	PROFIBUS
Configuration Accessory	**0**	NO ACCESSORY
	1	REGULAR TABLET
	2	INDUSTRIAL TABLET

Ordering Code Example:

VCI10 - B P - 0

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