

VRI10-P

PROFIBUS-PA REMOTE INDICATOR

PROFI®
BUS



- ✓ 2-Wire Remote Indicator with Profibus-PA Communication Protocol
- ✓ Power without Polarity
9 to 32 Vdc, via bus
- ✓ Up to 10 value and status indications
- ✓ No cyclic communication, it acts by capturing the frames on the bus
- ✓ 5-digit rotary, multifunctional LCD with bargraph
- ✓ Address setting via local adjustment or software
- ✓ Supports EDDL and FDT / DTM Programmer and Tools
- ✓ Operating Temperature
-40 ° C to 85 ° C

DESCRIPTION

The Profibus-PA remote indicator, VRI10-P, integrates the Vivace Process Instruments family of field devices and it is designed to indicate up to 10 values and status on its LCD from other Profibus-PA field devices in the same Profibus-PA segment where it is installed.

The transmitter is powered via bus by a voltage of 9 to 32 Vdc and uses the Profibus-PA communication protocol for setting and monitoring the 10 indications on its LCD.

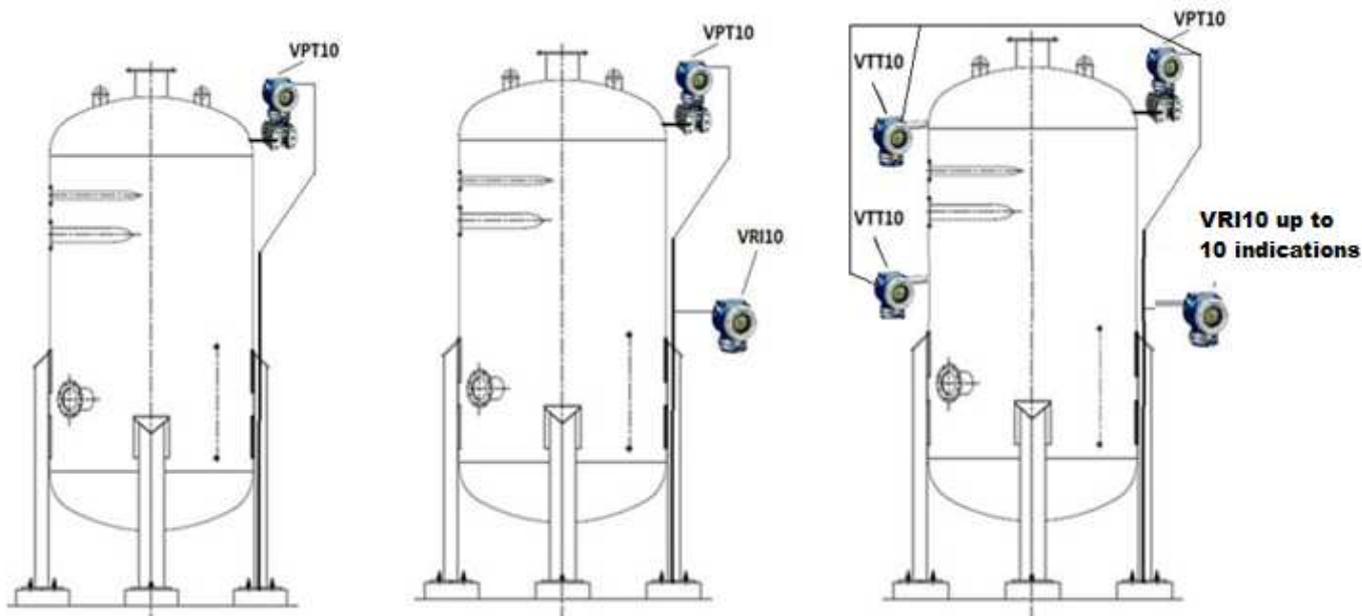
The remote indicator works as a sniffer that captures data from the Profibus-PA bus and shows the cyclic values and status of other devices on its LCD according to their configured addresses.

It does not exchange cyclic messages on the bus as an active slave (it does not increase traffic on the bus).

Using a Profibus PA configurator, Android platform or tools based on EDDL or FDT / DTM the user can easily configure the indicator

In addition, it is possible to configure the network address of the VRI10-P via local adjustment, using a magnetic screwdriver or via configuration tools.

APPLICATION EXAMPLE



In some situations, the Profibus-PA device is installed in a location that is inaccessible to the operator. In these cases, the Remote Indicator VRI10-P makes it easy to see the monitored variable by the operator. He can have up to 10 indications of various device in the Profibus-PA network.

TECHNICAL AND PHYSICAL SPECIFICATIONS

Monitoring	Up to 10 LCD indications, user configurable
Supply Voltage / Quiescent Current	9 to 32 Vdc, without polarity / 12 mA
Communication protocol	Profibus PA, according to IEC 61158-2 (H1), voltage mode 31.25 Kbits/s, bus power. No cyclic data exchange
Certification in Hazardous Areas	Explosion-proof and Intrinsically Safe
Ambient Temperature Limits	- 40 to 85 ° C
Configuration	EDDL, FDT / DTM and Android® Tools
Indication	5-Digit LCD display, rotary, multifunctional and bargraph
Assembly	In the field, with support for 2 "tube.
Address setting on the Profibus-PA network	Via EDDL, DTM tools and via local adjustment.
Degree of Protection	IP67
Housing Material	Aluminum
Approximate weight without support	1.5 kg

ORDERING CODE

VRI10 Remote Indicator

Communication Protocol	I	4 – 20 mA
	P	PROFIBUS-PA
Channels	0	NOT APPLICABLE (ONLY PROFIBUS)
	1	ONE CHANNEL (ONLY 4 – 20 mA)
	2	TWO CHANNELS (ONLY 4 – 20 mA)
Certification Type	0	NO CERTIFICATION
	1	INTRINSICALLY SAFE
	2	EXPLOSION PROOF
Certification Body	0	NO CERTIFICATION
	1	INMETRO
Housing Material	A	ALUMINUM
Electrical Connection	1	½ – 14 NPT
Painting	1	BLUE – RAL 5005
Mounting Bracket	0	NO BRACKET
	1	SS 304 BRACKET

Ordering Code Example:

VRI10	-	P	0	-	0	0	A	1	1	0
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*Explosion Proof Certification Ex tb (dust ignition) and Ex db (flame)