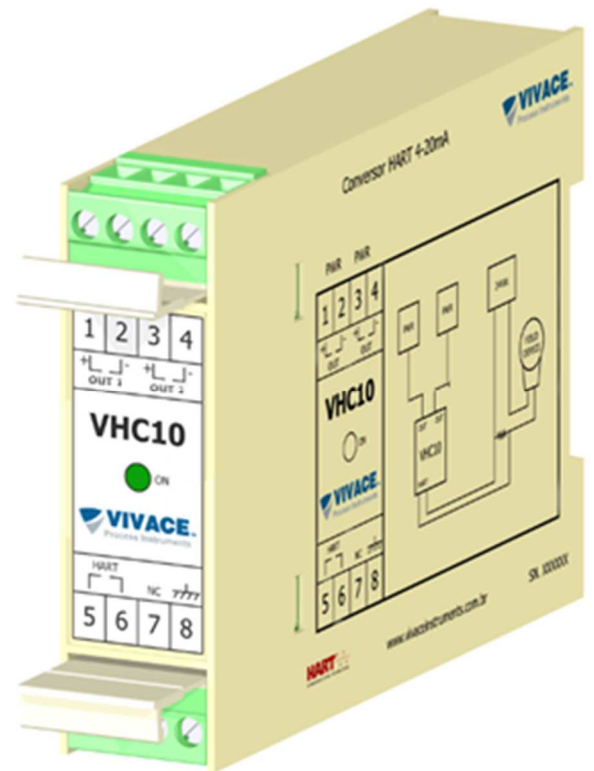


# VHC10-P

## HART® 4 – 20 mA CONVERTER



- ✓ HART® 7 Communication Protocol  
*Previous versions compatible*
- ✓ Up to Two Monitoring Analog Channels
- ✓ Any Device Variable Monitoring  
*Transmitters and Valve Positioners*
- ✓ Working Range and Unit Configuration
- ✓ Master HART® Operation  
*Primary Master*  
*Secondary Master*
- ✓ Power Supply  
*12 to 45 Vdc*
- ✓ Analog Outputs  
*4-20 mA NAMUR NE 43*
- ✓ Operating Temperature  
*-10°C to 70°C*
- ✓ Configuration and Calibration  
*Any Tools based on EDDL or FDT/DTM*



## DESCRIPTION

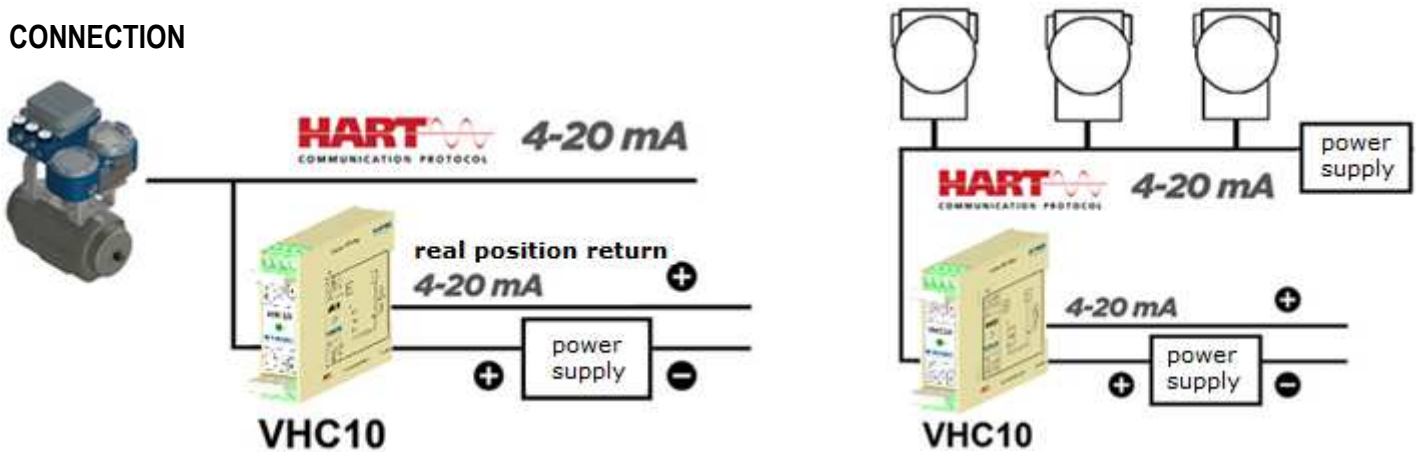
**VHC10-P** is a member of the Vivace Process Instruments product family, designed to create up to two additional 4-20 mA current channels, helping analog monitoring on devices that does not have this feature (valve positioners, for example) or that need to monitor more than one variable as an analog value.

The converter can be powered by voltages between 12 and 45 Vdc, generating two 4-20 mA current channels (according to NAMUR NE43 standard). Its function is to monitor any user-configured variables of other HART® device (regardless of its version) and output them through the current channels.

Its configuration uses the HART® 7 communication protocol, already established as the most used in the industrial automation world for configuration, calibration, monitoring and diagnostics.

The converter configuration is carried out at the beginning of its operating cycle, with the equipment in "slave" mode, being completed by the user by changing the use mode to "master". Configurations can be performed using a HART® configurator or tools based on EDDL or FDT/DTM technologies.

## CONNECTION



- Configuration for slave device polling address
- Configuration for monitoring variables to be monitored: PV, SV, TV, QV or manufacturer specific
- Primary or Secondary Master HART
- Conversion of monitored variables up to two 4-20 mA independent output currents

## ORDERING CODE

### VHC10-P Panel HART® 4-20 mA Converter

Monitoring Channels	1	1 CHANNEL
	2	2 CHANNELS
Certification Type	0	NO CERTIFICATION
Certification Body	0	NO CERTIFICATION

Ordering Code Example:

VHC10-P	-	1	0	0
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## TECHNICAL AND PHYSICAL SPECIFICATIONS

Accuracy	± 0,03% of calibrated span
Communication Protocol	HART® 7 (compatible with previous versions)
Output Current	Up to two 4-20 mA channels, according to NAMUR NE43
Power Supply	12 to 45 Vdc, not polarized, with transient protector
Temperature Limits	-10 to 70°C (14 to 158°F)
Configuration	Remote configuration using tools based on EDDL or FDT/DTM
Write Protection	Hardware and software
Hazardous Area Certification	Not certified
Protection Degree	IP00 / IP66 (installed)
Mounting	Panel, DIN 43880 rail
Case Material	Injected ABS Plastic
Approximated Weight	300 g

