Product application simulation – transmitter not included

TECHNICAL SPECIFICATIONS

VKC-615

Local/Inline LCD Display Indicator for 4...20mA Transmitters

DESCRIPTION

The VKC-615 is suitable for all 2-wire transmitters with a 4...20mA output signal that are powered by a 2-wire circuit, including pressure, differential pressure, temperature, flow, pH, acceleration, and force, among others. This product is microprocessor-based and allows configuration through a two-button interface to set zero point, full scale, decimal point position, display rate, and adjustable control point settings—without the need for any potentiometer adjustment.
No external power supply is required; the 4-20mA signals in the tested circuit can be accurately displayed simply by connecting the device in series with the circuit under test. Its outstanding advantage lies in its much lower voltage drop compared to similar products on the market. The high-brightness LED display provides stable data visualization with no signal flicker.

MAIN APPLICATIONS

- Industrial Process Control
- Testing and Calibration Systems
- Power Generation and Transmission
- Water and Sanitation
- Food Industry
- Refrigeration, Ventilation, Heating, and Air Conditioning (HVAC)
- Hydraulics
- Pneumatics

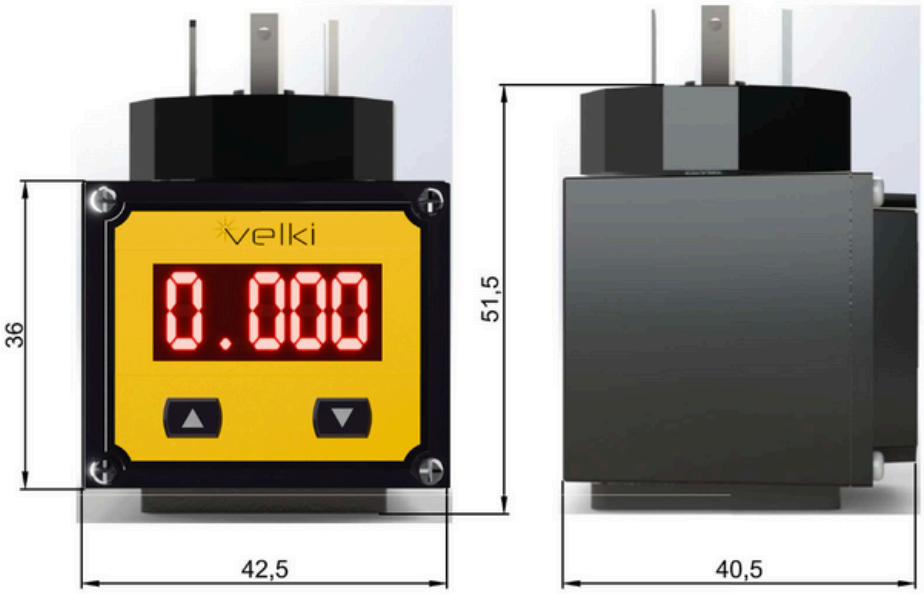
BENEFITS AND FEATURES

- Microprocessor-Based
- Analog Signal Re-Transmission

PRODUCT DETAILS

Product application simulation – transmitter not included

DIMENSIONAL DATA



4...20mA (VOLTAGE) – 2-wire connection
PIN 1 – (+) POWER SUPPLY
PIN 2 – (–) GND

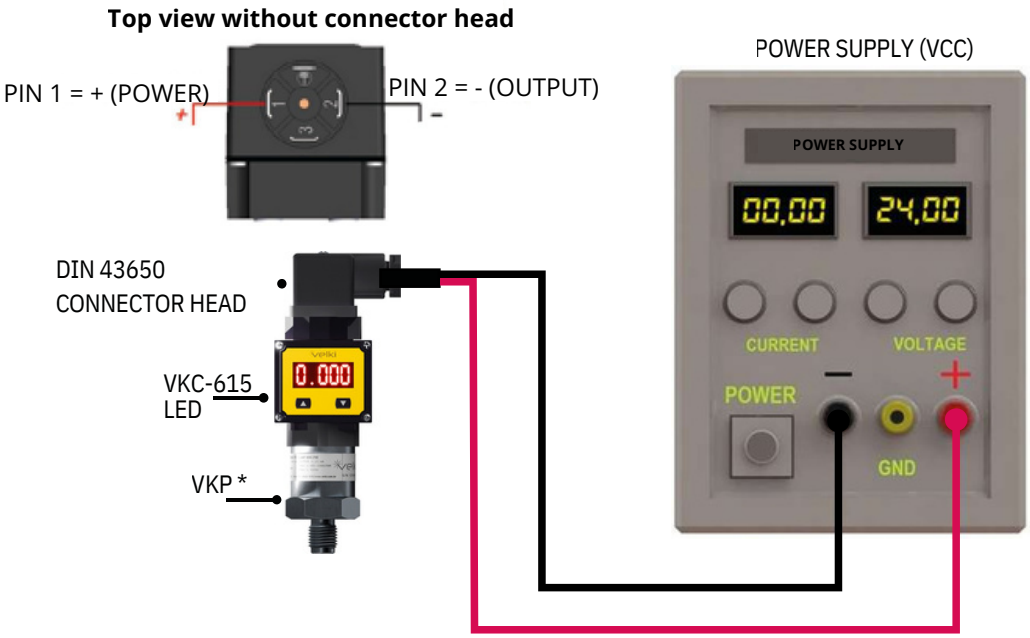
TECHNICAL DATA

INPUT	4...20mA (2-WIRE)
POWER SUPPLY	15...32VDC
POWER CONSUMPTION	5V
DIMENSIONS	42,5 x 36,0mm - 4 DIGITS (-1.9.9.9 ATE 9.9.9.9)
DISPLAY	LCD, 10 mm CHARACTER HEIGHT
ACCURACY	+/- 0,3%F.S.
SAMPLING RATE	4 TIMES PER SECOND
AMBIENT TEMPERATURE	-25º...70ºC
OPERATING TEMPERATURE	-10º...55ºC
ENCLOSURE MATERIAL	ABS and Polycarbonate
PROTECTION GRADE	IP55

WIRING DIAGRAMS

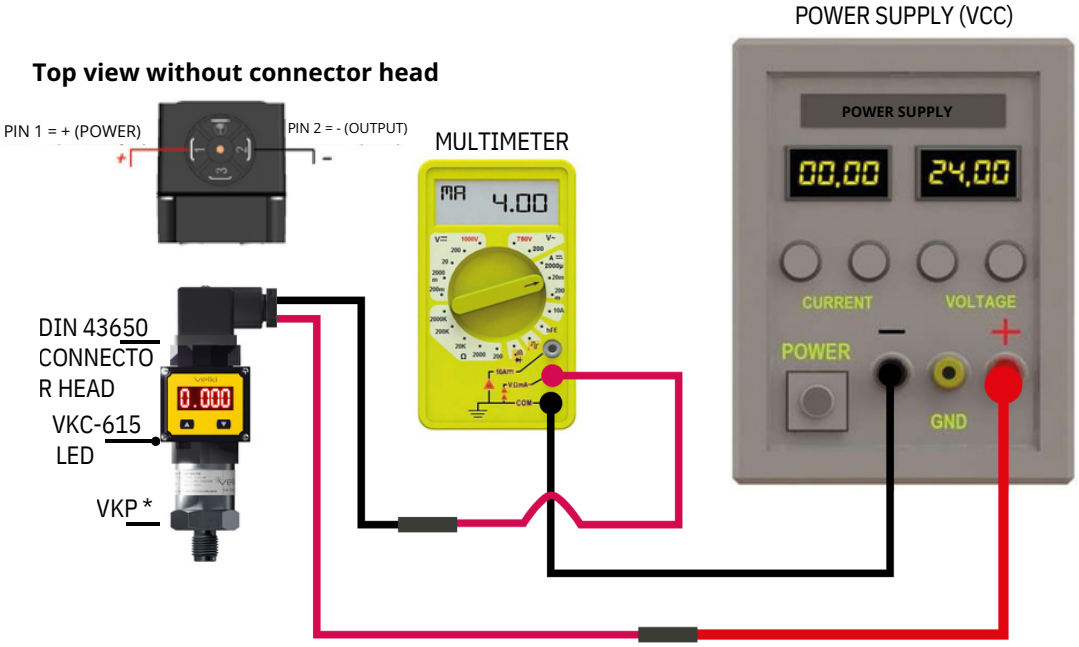
LOCAL INDICATOR WITH DIN MOUNT USING EXTERNAL POWER SUPPLY

4...20mA (CURRENT) 2-WIRE CONNECTION
PIN 1 (+) POWER
PIN 2 (–) GND



LOCAL INDICATOR WITH DIN MOUNT USING EXTERNAL POWER SUPPLY AND MULTIMETER

4...20mA (CURRENT) 2-WIRE CONNECTION
PIN 1 (+) POWER
PIN 2 (–) GND

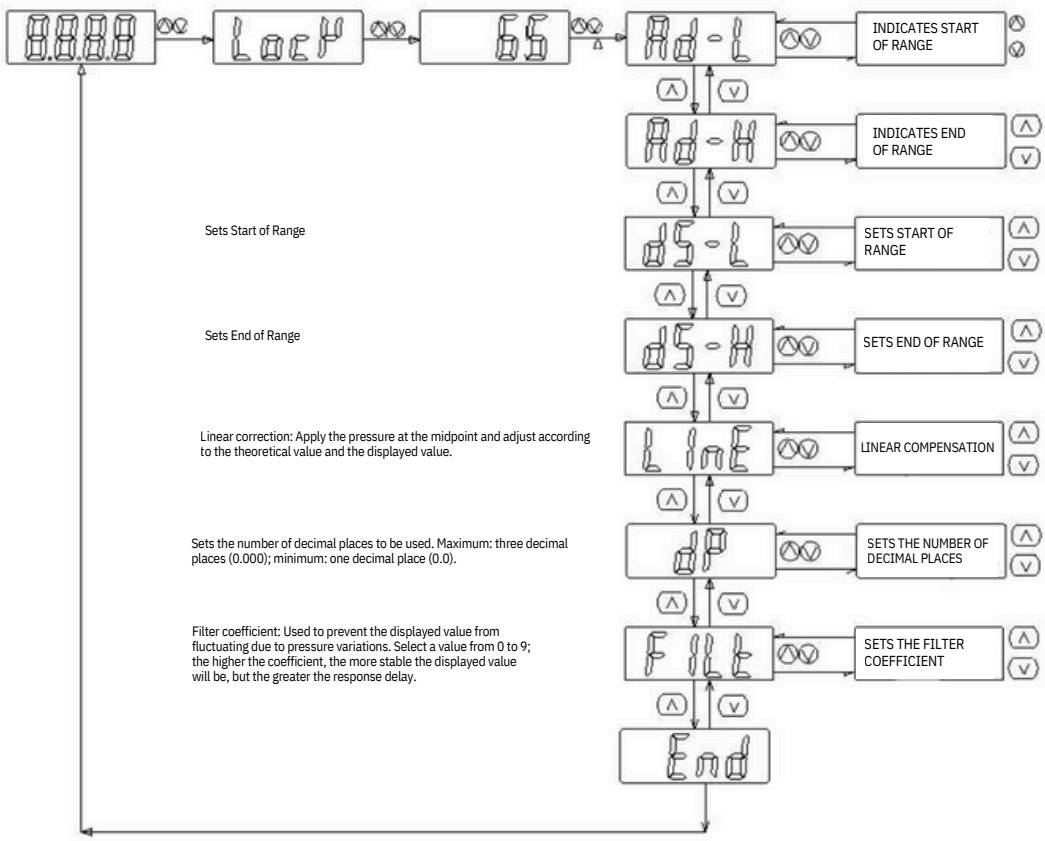


* *The VKC-615 can be used with any transmitter with a 4...20mA current output signal and a DIN 43650 connector.*

OPERATION PANEL

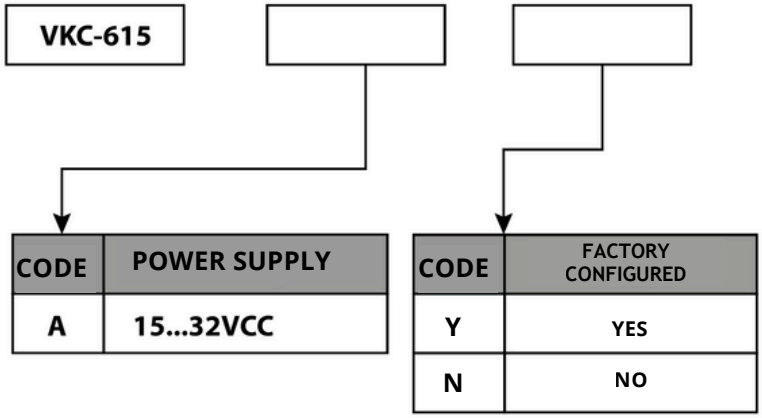
Product application simulation – transmitter not included

CONFIGURATIONS



It is important to note that to enter or exit each parameter, both buttons must be pressed simultaneously. Within each parameter, use the up and down buttons to configure the settings.

HOW TO SPECIFY



CODE	POWER SUPPLY
A	15...32VCC

CODE	FACTORY CONFIGURED
Y	YES
N	NO

Example of Specification: VKC-615-A-S
Description: VKC-615 SERIES INLINE DISPLAY INDICATOR, IP65 PROTECTION RATING, 24VDC POWER SUPPLY, WITH 4...20mA SIGNAL, FACTORY CONFIGURED.

WARRANTY

Due to constant technological advancement, Velki products may be modified without prior notice. Velki is always ready to clarify any doubts. Do not hesitate to contact us.

Warranty:

Every Velki product is manufactured according to the highest quality standards. All Velki products come with a 1-year warranty from the date of the invoice, provided that:

1. The product is used correctly, within the limits of its technical specifications, and in accordance with the instructions.
2. It has not suffered mechanical or electronic damage caused by accidents or misuse.
3. Its seals have not been tampered with.

Shipping costs for repairs and transportation risks (to and from) are the responsibility of the owner. Free technical support will only be provided by the factory, located at Rua Theolinda Xavier da Silveira, 255 Jd. Oliveira - Itu, SP, CEP 13312-035. Products with broken seals, that have been disassembled, modified, or subjected to mechanical or electrical overload, exceeding catalog values, or damaged due to improper mechanical or electronic installation will lose the right to warranty.

Technical Support:

Sending instruments for repairs (under warranty or not) or for periodic or eventual calibration must be previously communicated to Velki Technical Support, which will define the shipping conditions and provide instructions. Shipping costs for repairs and transportation risks (to and from) are the responsibility of the customer.

Important:

All information in this manual specifically refers to the instrument indicated. It aims to help the customer use the product properly. These instructions do not cover all possibilities: specific questions can and should be directed to Velki's Technical Support, who will be happy to assist.

Attention:

In case of any malfunction, avoid attempting to repair the instrument yourself; immediately contact Velki's Technical Support for the appropriate procedures.

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Shipping within 4 hours

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