

DVA

Plug On Display for Volume Sensor DV01 and DV04

- red LED display, 7 segments
- easy mounting
- pulse output, analogue output 0/4...20 mA or 2 relay contacts
- plug connection according to EN 175301-803
- EEPROM for data backup
- settings via 2 keys



Description:

The plug-on display DVA is a universally usable on-site display for the PKP volume meters DV01 and DV04 with plug connection according to EN 175301-803. The display is simply plugged between plug and plug socket of the volume meter. For this purpose, the amplifier board in the plug of the existing volume meter is removed. Flow rate or volume can be displayed in the display. The same square-wave signals, a current output or 2 limit contacts are available for further external processing. Volume meters already supplied can be retrofitted with the plug-on display.

Typical applications:

The plug-on display is freely programmable. All necessary settings can be made via two keys. The programmed data is stored in an EEPROM and is therefore retained even in the event of a power failure.

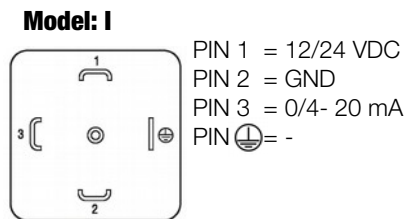
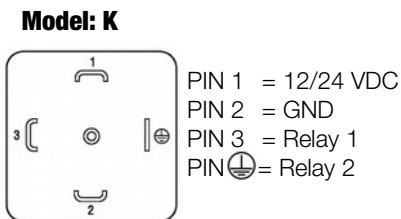
Electrical Data:

Supply:	18...28 VDC or 10...19 VDC
max. consumption:	ca. 120 mA
Analogue output:	0/4–20 mA, short-circuit proof
burden:	≤ 250 Ohm with supply 24 VDC ≤ 50 Ohm with supply 12 VDC
disbandment:	10 Bit
Pulse output:	
pulse amplitude:	approx.. 0,8 x supply, load-depend.
pulse shape:	with symmetrical output signal: square-wave
duty cycle per channel:	1:1 ± 15 %
pulse offset between the two channels:	90° ± 30°
power output per channel:	max. 0,3 W, short-circuit proof

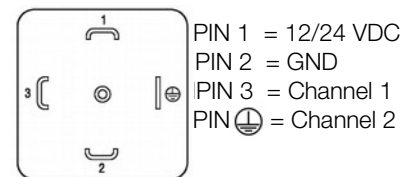
Technical Data:

Connections:	angled plug EN 175301-803, 4-pole, reverse polarity protected
Display:	7 segment LED, red, 7.6 mm 4-digit with floating point overflow: >9999 display: 9999
Keyboard:	2 keys behind front panel
Protection class:	IP65
Housing material:	aluminium
max. temperature:	0...60 °C

Electrical Connection:



Model: R



PIN ⊕ is enable / reset for
volume measurement (K/I version only)

Order Code:

Order number:	DVA.	1.	R.	V
Plug on display for volume sensor DV01 and DV04				
Power supply:				
1 = 24 VDC				
2 = 12 VDC				
Output signal:				
R = square-wave signals				
I = 4–20 mA				
K1 = 1 relay contact + control input for volume measurement				
K2 = 2 relay contacts for flow measurement				
Display:				
D = flow measurement				
V = volume measurement				

Dimensions:

