

# PU Compact ultrasonic level meter

with active analog output

## Main advantages

- **Cheaper - without display** level meters PU 0500 - PU 2000 - PU 4000 - PU 6000 are designed for non-contact continuous measurement of liquids in open and flow profiles and tanks in the range of 0 ÷ 5.2 m.
- Signal processing is **fully digital** with a powerful filter. The control core is a pair of microprocessors that provide control and evaluation of the sensed height even under very difficult conditions (liquid ripple, aggressive vapor above the surface, air flow above the surface, inhomogeneous air field above the surface, etc.).
- They are equipped with an **internal temperature sensor, digital temperature compensation and switching - comparative and pulse output.**
- The measured level is available for further use as a galvanically isolated **analog output.**

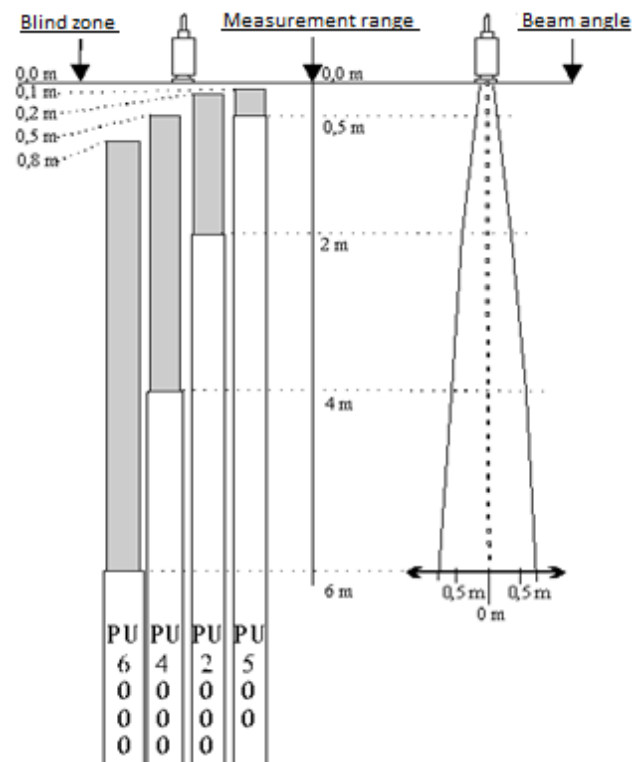
## Applications

- Water treatment
- Chemical industry
- Food industry
- Mechanical engineering
- Agriculture
- Power engineering

Ultrasonic levelmeter  
PU



Probe application  
PU



# Specifications

	PU 0500	PU 2000	PU 4000	PU 6000
<b>Type of level meter</b>	500	2000	4000	6000
<b>Mounting height [mm]</b>	0 ÷ 400	0 ÷ 1800	0 ÷ 3500	0 ÷ 5200
<b>Measuring range [mm]</b>	0,2 mm			
<b>Resolution level</b>	0,8 % of range			
<b>Measurement accuracy</b>	+/- 2 mm			
<b>Linearity</b>	6 ÷ 9 ° according to air field homogeneity above the surface			
<b>Beam angle</b>	- 20 °C ÷ + 50 °C			
<b>Ambient temperature</b>	12 ÷ 25 VDC / 110 mA, reverse polarity and overvoltage protection III. degree			
<b>Power supply</b>	0 ÷ 20 mA, 4 ÷ 20 mA, generally 0 ÷ 30mA / 300 Ohm reverse polarity and overvoltage protection III. degree			
<b>Active analog output</b>	open collector max. 30VDC / 50 mA overload, polarity and overvoltage protection III. degree			
<b>Binary output</b>	hysteresis comparator 0 ÷ 100% probe failure signaling, adjustable frequency output (for MQU control unit)			
<b>Binary output function</b>	RS 485, 150 ÷ 9600 Bd, ELA company protocol overvoltage protection III. degree			
<b>Communication line</b>	device parameters settings			
<b>Function of the communication line</b>	IP 68 (the end of the connecting cable must be placed above the flood level)			
<b>Protection</b>	148 x 80mm (depending on type)			
<b>Dimensions</b>	< 1 kg			
<b>Weight</b>	length 4m, fixed 4 x 0.5 mm <sup>2</sup> (for use with control unit) 8 x 0.5 mm <sup>2</sup> (for use without control unit)			
<b>Connecting cable</b>	non-detachable unit (PP-R plastic)			
<b>Level meter design</b>				