

ACM

Analog display unit for the signal quality of the VLM500

The ACM serves as a display unit for the signal quality of the VLM500. Depending on the measuring situation two kinds of signal quality can be distinguished. When an object is moved under the VLM500, the ACM shows the measuring rate. The rate is a quality criterion for the actual measurement process. In case of an unmoved object, the reflection degree is displayed on the ACM. The reflection degree can be used as a quality criterion for the alignment of the VLM500. An alignment is necessary, when the object surface is shining or reflective (e.g. wires, thin tubes and profiles). The VLM500 must be mounted that in both cases – moved and unmoved object – the display shows a maximum value. For connecting the ACM, the VLM500 requires an analog output with 4 to 20 mA.



Technical Data

- **Input**
4 mA ... 20 mA (0% to 100%)
- **Voltage drop**
60 mV
- **Protection class**
case IP 65, instrument IP 54
- **Temperature range**
-10 °C up to +55 °C
- **Shock resistance**
15 g; 11 ms
- **Vibration resistance**
2.5 g, 5 Hz to 55 Hz
- **Dimensions (W x D x H)**
122 mm x 120 mm x 100 mm
- **Drill dimensions (W x D)**
108 mm x 106 mm (for M6 Allen)
- **Connection**
Male socket 5 pin (Pin 1 +, Pin 2 -)

Properties

- Display of VLM500 measuring rate during object movement
- Display of intensity of object reflection during object stand still
- Observation of process operation
- Simplification of VLM500 adjustment and alignment

VLM500 – Parameter

The following parameters have to be set for correct displaying of measuring rate and object reflection intensity (see VLM500 user manual):

- AOON 1
- AOMIN 0
- AOMAX 100
- AOSYNC 0
- AOVALUE Q

Article number

11-1012-00