


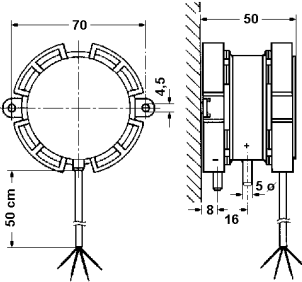




# Differential pressure sensor DS85

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Device	Description	Order No.	Price EUR
<p><b>Differential pressure sensor DS85</b></p> 	<p>Sensor with lead diaphragm element for transmitting of pressure, draught, or differential pressure of non-aggressive gases.</p> <p>ranges: 0.....200 Pa (2 mbar), 0.....500 Pa (5 mbar)            0...1000 Pa (10 mbar), 0...2000 Pa (20 mbar)            0...4000 Pa (40 mbar), 0...6000 Pa (60 mbar)</p> <p>overpressure protection: 0,2 bar            static pressure: max. 0,2 bar            pressure connections: hose liner 5 mm ø            case: ultramid, protection class IP65            diameter 70 mm, depth 50 mm</p> <p><b>output signal:</b>            3-wire circuit: 0...10 V (max. load current 2mA)            0/4...20 mA, (max. load 400 Ω)            4...20 mA</p>		
<p><b>Differential pressure sensor DS85 with 3 digit LCD indicator</b></p> 	<p><b>supply voltage:</b> 24 V dc (15...20 V) or 24 V ac ±15%            with two-wire system 15...30 V dc</p> <p><b>indicator:</b> 3 digit LCD indicator,            character height 9 mm,            indication in pressure units</p> <p><b>switch output:</b> open collector, 24 V, max. 50 mA            nominal value: potentiometer with scale 0...100 %            hysteresis: adjustable 0,25 % ... 5%            time delay: adjustable 0...7 s            switching function: min. or max.            (adjusted on dispatch)</p>		
<p><b>Differential pressure sensor DS85 with limit-contact min. or max</b></p> 	<p>electrical connection: 3-wire (4-wire) cable, length 50 cm,            color coded, electronic protected            against mispolarity</p> <p>ambient temperature: 0...50 °C            weight: approx. 90 g            usage position: vertical, position dependence by            tuning of 90 °, approx. 0,25 mbar</p> <p>EMC: Test according to EN 50081-2,            50082-2, CE-sign</p> <p>influences limits:            zero error: ± 0,75 %            sum of linearity and hysteresis: ± 0,5 %            temperature drift, zero point: ± 0,3 % / 10 K            temperature drift, span: ± 0,2% / 10 K</p>		
<p><b>physical dimensions</b></p> 	<p><b>Differential pressure sensor DS85</b>            Range:.....            Output:.....3-wire system            Supply voltage 24 V ac/dc</p> <p><b>Differential pressure sensor DS85Z</b>            Range:.....            Output: 4...20 mA, 2-wire system            Supply voltage 15...30 V dc</p> <p>accessories:  <b>Monting set M-DS</b>            with screws, hose liners and 2 m plastic-tube</p> <p>extra charge  <b>LCD-Indicator</b>  <b>Limit-contact min. or max.</b>  <b>Increased price for non-standard ranges, as for as possible</b></p>	<p>2510</p> <p>2511</p> <p>25110</p> <p>25101</p> <p>25102</p> <p>25103</p>	

corrections reserved