


Qty.	Description																																
1	<p>DDE 60-10</p>  <p>Note! Product picture may differ from actual product</p> <p>Product No.: 99159336 DDE 60-10 AR-PVC/V/C-F-31U3U3F</p> <p>The SMART Digital DDE is a compact positive displacement, diaphragm dosing pump with variable-speed drive (PMS motor) and intelligent control electronics with minimum energy consumption. The SMART Digital Dosing series operates at full stroke length to ensure optimum accuracy, priming and suction, even for degassing liquids. The duration of each discharge stroke varies according to the capacity set, resulting in optimum smooth and continuous discharge flow.</p> <p>The mounting plate allows quick installation and service. The control cube can be turned easily into front, left or right position. The dosing flow can be adjusted by means of an adjustment knob on a logarithmical scale from 0.1-100%. The control elements are protected by a transparent cover.</p> <p>The dosing head is composed of:</p> <ul style="list-style-type: none"> - Long lifetime and universal, chemically resistant full double PTFE diaphragm. - Ball valves for highest dosing accuracy. - Deaeration valve for easy startup. <p>Operating modes:</p> <ul style="list-style-type: none"> - Manual dosing from 0.1 to 100%. - Pulse control (divisor function included). - Analog 4-20 mA control (scalable maximum flow) <p>Other features:</p> <ul style="list-style-type: none"> - 100 % key (maximum capacity), e.g. for deaeration. - Operation mode switch key between manual, pulse and analog. - Status LEDs for pulse, analog and manual. <p>Signal- Inputs/outputs:</p> <ul style="list-style-type: none"> - Input for pulse, external stop, analog 4-20 mA. - Input for empty tank signal. - Two potential-free output relays for maximum 30 V AC/DC (configurable, e.g. alarm, low level, full stroke signal and pulse) <p>Controls:</p> <table> <tr> <td>Control variant:</td><td>AR</td></tr> <tr> <td>Ext. Stop input:</td><td>NO</td></tr> </table> <p>Liquid:</p> <table> <tr> <td>Pumped liquid:</td><td>Water</td></tr> <tr> <td>Liquid temperature range:</td><td>0 .. 40 °C</td></tr> <tr> <td>Selected liquid temperature:</td><td>20 °C</td></tr> <tr> <td>Density:</td><td>998.2 kg/m³</td></tr> </table> <p>Technical:</p> <table> <tr> <td>Type key:</td><td>DDE 60-10 AR-PVC/V/C-F-31U3U3F</td></tr> <tr> <td>Max. Flow:</td><td>60 l/h</td></tr> <tr> <td>Min flow:</td><td>75 ml/h</td></tr> <tr> <td>Turn-down ratio:</td><td>1:800</td></tr> <tr> <td>Approvals on nameplate:</td><td>CE,CSA-US,NSF61,EAC,RCM</td></tr> <tr> <td>Valve type:</td><td>Standard</td></tr> <tr> <td>Maximum viscosity at 100 %:</td><td>100 mPas</td></tr> <tr> <td>Maximum viscosity in slow mode 50 %:</td><td>N/A mPas</td></tr> <tr> <td>Maximum viscosity in slow mode 25 %:</td><td>N/A mPas</td></tr> <tr> <td>Accuracy of repeatability:</td><td>5 %</td></tr> </table>	Control variant:	AR	Ext. Stop input:	NO	Pumped liquid:	Water	Liquid temperature range:	0 .. 40 °C	Selected liquid temperature:	20 °C	Density:	998.2 kg/m ³	Type key:	DDE 60-10 AR-PVC/V/C-F-31U3U3F	Max. Flow:	60 l/h	Min flow:	75 ml/h	Turn-down ratio:	1:800	Approvals on nameplate:	CE,CSA-US,NSF61,EAC,RCM	Valve type:	Standard	Maximum viscosity at 100 %:	100 mPas	Maximum viscosity in slow mode 50 %:	N/A mPas	Maximum viscosity in slow mode 25 %:	N/A mPas	Accuracy of repeatability:	5 %
Control variant:	AR																																
Ext. Stop input:	NO																																
Pumped liquid:	Water																																
Liquid temperature range:	0 .. 40 °C																																
Selected liquid temperature:	20 °C																																
Density:	998.2 kg/m ³																																
Type key:	DDE 60-10 AR-PVC/V/C-F-31U3U3F																																
Max. Flow:	60 l/h																																
Min flow:	75 ml/h																																
Turn-down ratio:	1:800																																
Approvals on nameplate:	CE,CSA-US,NSF61,EAC,RCM																																
Valve type:	Standard																																
Maximum viscosity at 100 %:	100 mPas																																
Maximum viscosity in slow mode 50 %:	N/A mPas																																
Maximum viscosity in slow mode 25 %:	N/A mPas																																
Accuracy of repeatability:	5 %																																

Qty.	Description
	<p>Materials:</p> <p>Dosing head: PVC (Polyvinyl chloride)</p> <p>Valve ball: Ceramic</p> <p>Gasket: FKM</p> <p>Installation:</p> <p>Range of ambient temperature: 0 .. 45 °C</p> <p>Maximum operating pressure: 10 bar</p> <p>Installation set: NO</p> <p>Installation type: No installation set</p> <p>Pump inlet: Conn.pack U3 (hose ID.19mm &..</p> <p>Pump outlet: Conn.pack U3 (hose ID.19mm &..</p> <p>Max. Suction lift during operation: 3 m</p> <p>Max. Suction lift during priming: 1.5 m</p> <p>Electrical data:</p> <p>Maximum power input - P1: 62 W</p> <p>Mains frequency: 50 / 60 Hz</p> <p>Rated voltage: 1 x 100-240 V</p> <p>Enclosure class (IEC 34-5): IP65 / NEMA 4X</p> <p>Length of cable: 1.5 m</p> <p>Type of cable plug: EU</p> <p>Inrush current: 70A at 240V (35A/100V) for 2ms</p> <p>Others:</p> <p>Net weight: 6 kg</p> <p>Gross weight: 7 kg</p> <p>Color: RED</p> <p>Country of origin: FR</p> <p>Custom tariff no.: 84135040</p>