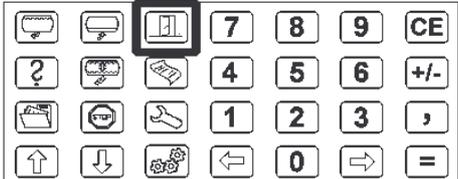
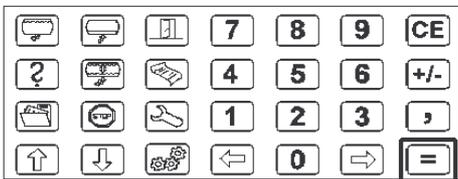


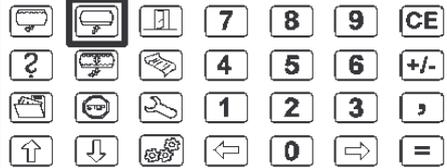
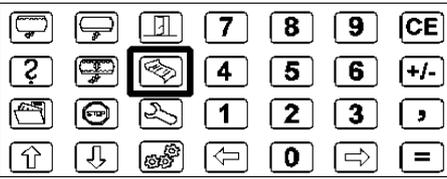
Usermanual

DEZICHEM-M® für AdBlue®

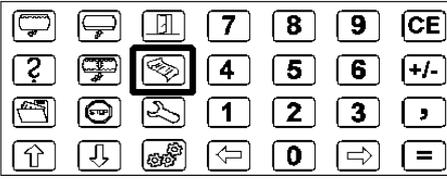
© 2009 DEZIDATA GmbH | Verfasser: A. Kraus | Version: 2.02 | Stand: 13.05.09 14:23

1 Delivery

	<p>Activate the device, Wait until this screen is shown. Set pressure to min. 1 bar and plug in the customer tank.</p>	
	<p>Press the  – Button to start the delivery.</p>	<pre>delivery → ⌘ System DEZICHEM-M V2.02 13.05.2009 14:38</pre> 
 	<p>If necessary use the arrow key to choose another product. Press the END Button when the wanted product is shown.</p>	<pre>Product Select: No ■ 1↑ Name: AdBlue Abbr: ADBL WMC:ADBL ↓</pre> 
 	<p>Set the amount in liter you want to deliver. Wrong input can be deleted with the  Button.</p>	<pre>Volume Preset Prod ADBL Customer No: Quantity: 1000 L(<0=inf) 0</pre>
	<p>If the right amount is shown on the display, accept it with the  Button. CAUTION! If you don't want a preselection you have to set the amount . Otherwise the last preselection will be restored.</p>	
  	<p>If you want to set a customer number: Move the black cursorblock with the „left arrow“ Button to the customer number. Then enter the customer number with the keyboard and accept it with  Button.</p>	<pre>Volume Preset Prod ADBL Customer No: 12345678 Quantity: 1000 L(<0=inf)</pre>
	<p>Accept input of amount and/or customer number.</p>	
	<p>Make sure that the tube is connected with the customer tank. Open feed valve slowly, the delivery starts now.</p>	<pre>0ℓ DF: L=59%↑ 0 P=ADBL System not filled</pre>
	<p>Open the feed valve as much as necessary for delivery. Do not open to wide for small customer tanks! The value DF means the current flowing liters per minute. The value behind the L means the liquid level of the degaser in %.</p>	<pre>20ℓ DF: L=101% ↓ 49 P=ADBL Interrupt delivery → ⌘</pre>

 	<p>For manual stop press the „Load“ Button. The ball valve will shut and you will see line „continue delivery“ at the bottom.</p> <p>To continue the delivery press the button „unloading“.</p>	<pre> 452ℓ DF: L=101% ↓ 48 F=ADBL Interrupt delivery → ⌘ </pre> 
 	<p>When you reach the preselected amount, the measurement automatically stops with this message at the right.</p> <p>If you want to deliver the same amount again, just press the „unload“ button.</p> <p>But you can also deliver another preselected amount with the  button.</p> <p>The total volume of all deliveries will be on the delivery note.</p>	<pre> 1007ℓ DF: L=101% 0 F=ADBL Continue delivery → ⌘ </pre>
	<p>For ending the unload pressing this button.</p>	
	<p>The result of the measurment will be displayed as shown on the right.</p> <p>Now you can either start another deliver what causes a collective delivery note(tabular) or quit the delivery.</p> <p>If you want a ticket then you have to put a piece of paper in the printer at the right position.</p> <p>Printing will be started by pressing the  button.</p> <p>More copys of the document can be printed by pressing the  Button again.</p>	<pre> No.0020 13.05.2009 14:48 Prod:ADBL Vol: 1007L Cust:12345678 RV= 0.0L </pre> 
	<p>Leave the delivery with the  Button.</p> <p>The system returns to the basic condition and is ready for the next delivery.</p>	<pre> delivery → ⌘ System DEZICHEM-M V2.02 13.05.2009 14:48 </pre>

2 Printing

	<p>Open the printer menu with this button from the main menu.</p> <p>Put the paper in the printer. You can change the position of the paper with the printer keys.</p>	<pre> Print Menu 1 Journal ↑ 2 Last Delv.3 Stat.Reprt 4 Calib Par.5 UserPar ↓ </pre> 
<p>1</p> 	<p>The printout of the journal e.g. of the current day.</p> <p>Here can you combine the deliveries of a certain period of time in one printout.</p> <p>Beginning and end (date and time) can be changed.</p> <p>For this move the cursor to the number you want to cange with the  button. Use the keyboard to typ in the new number and press the  button to accept.</p> <p>For printing the selected data press the  button.</p>	<pre> Report Interval from:2009-05-13:05:00 We to :2009-05-13:16:37 We </pre> <pre> Printing Page no 1 at line number ... 4 </pre>
<p>2</p>	<p>Printout of the last delivery note or a copy of it. The printing starts after pressing this button.</p>	<pre> Printing Page no 1 at line number ... 4 </pre>

3 Database

	<p>If you press the  button at the main menu you get to the database. Here all delivery notes will be saved in the TTM.</p> <p>If the memory is full, the oldest delivery note will be deleted.</p>	<pre>No.0021 13.05.2009 16:37 Prod:ADBL Vol: 1009L Cust:unknown GACnt= 0</pre>
 	<p>Select the delivery note you want with this buttons.</p> <p>Or type the number of the delivery note with the keyboard.</p> <p>Accept the number of the delivery note with the  button.</p>	<pre>No.0020 13.05.2009 14:48 Prod:ADBL Vol: 1007L Cust:12345678 GACnt= 0</pre>
	<p>You can print the shown delivery note with the  Button.</p>	<pre>Printing Page no 1 at line number ... 6</pre>
	<p>You leave the database menu with the  button.</p> <p>Now the system is back in basic condition.</p>	<pre>delivery → ✓ System DEZICHEM-M V2.02 13.05.2009 14:38</pre>

4 Error notes

<pre>No Paper in Printer! Cancel → END</pre>	<ul style="list-style-type: none"> • Paper is not in the correct position. (incline, creasy) • Paper with holes • Printer off • Printer cable not plugged in <p>→ Put in the paper correct</p> <p>→ Check the cable connection / turn the printer on</p> <p>→ quit the printjob with the  button</p>	
<pre>0% DF: L= 59%↑ 0 F=ADBL System not filled</pre>	<p>Check/change the feed valve state or the compartment is empty → change the compartment</p>	
<pre>WARNING! Flow approaches Maximum value! Temporary shutdown!</pre>	<p>The flow is near maximum, that's why the delivery stops for 3 seconds and restarts automatically afterwards. → decrease inflow.</p>	
<pre>Error! Max flow exceeded!</pre>	<p>The maximum admissible flow was higher than allowed, the delivery was canceled. You can restart delivery after confirmation of the message. → decrease inflow.</p>	

Errorcodes:

If errors occur an error note will be on the display after delivery, on the delivery note and in the database.

The Errorcode list is digital. If there are more than one error the numbers of the errors will be added to a sum. For example, if errorcode 0005 appears it's errorcode 0001 and 0004!

display:	delivery note:	signification:
0001	01	Power supply failure
0002	02	Flow meter failure (wrong pulse)
0004	03	Reverse flow through the analyzer (flow meter)
0008	04	Maximum flow exceeded
0010	05	P-NET-communication failure, P-NET-access not possible
0020	06	Checksum or memory error
0040	07	Reserved (temperature level exceeded)
0080	08	Temperature too high
0100	09	Minimum delivery amount not reached (delivery amount too low)
0200	10	End level out of allowed measurement range (only DEZICHEM-M® purgeable)
0400	11	Bypass / failure ANA
0800	12	Product valve closed, but there is still product flow
1000	13	Wrong flow meter serial number
2000	14	Choice of tube was changed
4000	15	Emergency shutdown of delivery because timeout
8000	16	Delivery pressure too low