Product information

mzr-Touch Control · Controller

Description

The control module mzr-Touch Control provides users in the laboratory and production area with a simple yet versatile dosing unit for precise delivery and dosing in the low-flow range. The combined drive and control unit allows the operation of micro annular gear pumps with the aid of touch operation as well as an external analog interface (0-10 V). The high-quality die-cast aluminum housing is powder coated and offers reliable protection of the operating and functional elements. The control module is supplied with 24 V DC via supplied power supply unit.

Advantages

- Compact housing aluminum die cast, powder coated
- Easy handling touch function, standardized plug, switch button
- Display illuminated Touch Display
- User friendly interfaces analog 0-10 V, digital input
- Integrated Motion Controller (type N only)
- For DC-motors and BLDC-motors with integrated Faulhaber Motion Controller

Applications

- Laboratory
- Assembly technology

Technical data

Chassis	die-cast aluminum housing, powder coated
Operation	touch display 4.3"
Display	different graphical user interfaces e.g. discrete dosage, continuous dosage, terminal
Version	Type N: connection LP/MO pump series; Type H: connection HP/HI/MH pump series; Type R: connection over RS-232 Interface
Serial interface (just Type R)	RS-232, SUB D male, 9-pole
Pump connector (just Type H)	8-pole socked (DIN 45326)
Motion Controller (just Type N)	integrated 16-Bit Microcontroller
Power source	24 V DC, 3-pole socket
Analog interface	0 – 10 V, 5-pole socket
Digital outputs	Open Collector, 24 V, 0.5 A
Degree of protection	IP 65
Dimensions (L x W x H)	147 x 141 x 37 mm
Weight	approx. 0.7 kg

Notice
Even if single parameters are within the indicated performance range of technical data, certain parameter combinations may not be achievable. Single parameters may exceed their indicated performance range under adequate circumstances. For detailed evaluation please contact HNP Mikrosysteme. Actual performance may vary. Specifications are subject to change without notice. This document is subject to change without notice.

Other accessories

- Carrier frame for mzr-Touch Control and pump assemblies
- Input pen
- Hand switch or foot switch
- Clamp mountings
- Pump assemblies with filter and valves

Patents and trademarks

Our products are protected by the following national and international patents: DE 10 2018 129 631.2 B3; EP 3 884 162; CN 113 302 399 B; DE 10 2018 129 633.9 B3; EP 3 884 160; CN 113 272 553 B; DE 10 2018 129 634.7 B3; EP 3 884 527; DE 10 2018 129 635.5 B3; EP 3 762 165; DE 10146 793.1; EP 1 354 135 B1; US 7,698,818 B2; DE 10 2011 051 486 B4; EP 2 726 740 B1; US 9,404,492 B2; CN 103 732 921B; EP 2 640 977 B1; US 10,012,220 B2; CN 103 348 141 B; HK 1 185 648 B.
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