Datasheet

- Measuring display for up to 3 axes (configurable) with additional I/Os and RS232 interface
- Clear 2.8" TFT full-colour display ensures optimum visibility even in difficult lighting conditions
- Many functions (such as measurement compensation or calculation of values) are already integrated as parameters
- Simple operation through symbols and plain text in the display
- Support of incremental measuring systems (HTL and TTL) or absolute measuring systems via SSI interface
- Symbolism and colour concept can be easily adjusted via parameters
- USB interface for parameter backup, update, import of symbols

Mechanical data

Display	2,8" TFT full-colour display 4:3
Interface	RS232 (optional); USB
Operating temperature	0 to 50 °C
Storage temperature	-20 to +65 °C
Humidity	max. 90 %
Protection rating	IP54 (front side) bis IP00 (back side)
Dimensions (W x H x D)	116 x 92 x 60 mm (Installation depth incl. plug)

Electrical data

Power supply	24 VDC or 115 – 230 VAC (Note the nameplate)
Current consumption	90 mA without external load at 24 VDC resp. 20 – 35 mA without external load at 115 – 230 VAC power supply. When using an AC device, make sure that all external loads do not exceed 260 mA (at 230 VAC), or 160 mA (at 115 VAC).
Input signals Input voltage	4x digital inputs 0 – 5 V active low 10 – 30 V active high

Measuring system
    Supply voltage
 	
    Measuring system 1, 2 and 3
	3x incremental measuring systems
	5 V or 24 V at 24 V
	5 V or 12 V at 115 – 230 V
	BDD power supply
	
	Max. counting frequency: 1 MHz
	Signals: A; $\overline{A}$; B; $\overline{B}$; Z; $\overline{Z}$

Output signals	2x digital outputs (optional) 24 V, 600 mA

Measure   Indicate   Control   Sensors   Mechanics   Accessory

Datasheet

Dimensions

Measuring display WMD3000-M in installation housing (EG)

Front panel

Side view

Top view

all dimensions in mm

Measure Indicate Control Sensors Mechanics Accessory

Willtec Messtechnik eK • Eschenweg 4 • 79232 March-Hugstetten   info@willtec.de • www.willtec.de

WMD3000M_DB_2022-02-15_EN

Datasheet

Ordering example

Type	WMD3000-M	-	24	-	I/TTL	-	X	-	EG

Power supply
24　　　　= 24 VDC
115/230　　= 115 – 230 VAC

Encodersignal*
I/TTL　　　= incremental/ TTL - 5V
I/PP　　　= incremental/ PushPull - 24V

Interface
X　　　= without
RS　　　= RS232

Housing
EG　　= Installation housing

* On request Encodersignal SSI for absolute systems available.
** On request further interfaces RS485, CanOpen or Profibus DP available.

Without prior notice, the products may be subject to modifications that the Manufacturer reserves to introduce as deemed necessary for their improvement.

Measure　Indicate　Control　Sensors　Mechanics　Accessory

WMD3000M_DB_2022-02-15_EN

Willtec Messtechnik eK • Eschenweg 4 • 79232 March-Hugstetten　　　info@willtec.de • www.willtec.de