



Sensors for motion control

# Multifunctional display: speed, time, counter



Systems for pulse evaluation



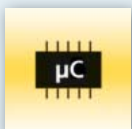
Clearly legible display

4 switching outputs and / or  
analogue output (V or mA)

250 kHz input frequency

PNP, NPN or NAMUR inputs

Touch display and clear text  
for intuitive handling



## Versatile pulse evaluation

The multifunction display shows various measured values in industrial automation. It uses the principle of interval measurement to process input pulses. The scaling factor allows (rotational) speed and processing time, etc., to be calculated, displayed and converted into an analogue signal. The unit can also act as a counter or an industrial timer.

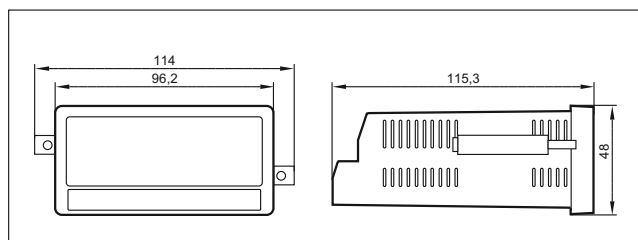
## High performance

Five different operating modes, optional analogue and switching outputs as well as the convenient display make the multifunctional evaluation system fit for various applications in industrial automation.



Operating voltage [V]	Inputs	Inputs programmable	Outputs Relay	Outputs Transistor	Order no.
<b>Multifunction display · touch display and clear text</b>					
24 DC	2	3	–	–	<b>DX2031</b>
24 DC	2	3	V or mA	4	<b>DX2032</b>
24 DC	2	3	–	4	<b>DX2033</b>

## Dimensions



## Common technical data

Operating voltage	[V DC]	18...30
Current consumption	[mA]	approx. 150 (without load)
Sensor supply	[V DC]	U <sub>B</sub> -1 V
Output current		max. 250 mA
Incremental inputs	Usage	PNP, NPN, Namur encoders and sensors
	Format	HTL (10...30 V)
	Frequency	max. 250 kHz
Control inputs	Format	HTL, PNP (10...30 V)
	Frequency	max. 250 kHz
Analogue output (only DX2032)	Voltage output	-10...10 V / 0...10 V
	Current output	0...20 mA / 4...20 mA
	Resolution	16 bits
	Accuracy	± 0.1 %
Control outputs (DX2032 / DX2033)	Format / level	3...30 V (depending on the voltage on Com+), PNP
	Output current	max. 250 mA (max. 150 mA at Com+ <10 V)
Display	Type	LCD (backlight)
	Colour	red, green, yellow (selectable)
	Handling	Touch screen (resistive)
Ambient temperature	[°C]	-20...60
Dimensions (W x H x D)	[mm]	96 x 48 x 100