

dimensions 96 x 48 x 141mm

analog / digital

- ✓ 2 pulse inputs and 1 reset input
- ✓ programmable measuring function for: rotation speed, speed, machine cycles, processing times (reciprocal rotation speed), wide range of counting and stopwatch functions speed from runtime
- ✓ transducer power supply +24V DC
- ✓ adjustable scale factor
- ✓ 6-digit LED display 15mm high
- ✓ screw terminals



**2 switching outputs, analog output  
RS232 / RS485 interface**

**description**

These multi-function devices are suitable for various operational modes. When a single-track transducer is connected, the rotation speed, clock or throughput time can be displayed. In counter mode, dual-track transducers can also be used, meaning that the **WY05** is ideally suited as a display device for linear measurements. Totals and differences can also be formed for count inputs A and B.

The displays can be freely scaled and a set value can be programmed. The operational modes “stop watch” and “speed determination by means of runtime measurement” are also available.

Three equipment variants are available. The **WY054900** provides two programmable optocoupler switching outputs, which relate to the display. The **WY054905** has an analog output that

relates to the display. -10 ... +10V, 0 ... 10V, 0/4 ... 20mA can be programmed as standardized output signals.

The **WY054902** has a serial interface that can be used to connect the device to a PC.

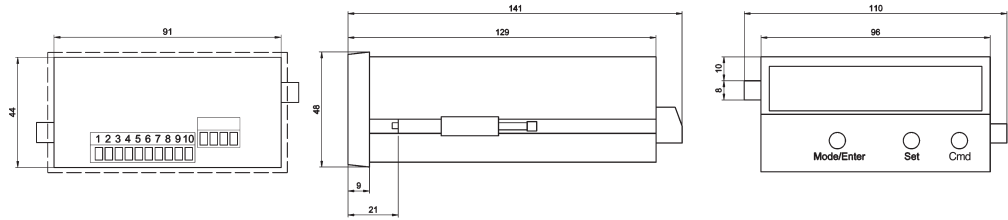
The **WY05** can be operated at a voltage of 17 ... 30V DC as well as 115/230V AC. An auxiliary voltage output 24V DC for connecting a transducer (max. 120mA) is also available.

**application examples**

- ▶ Rotation speed or clock display
- ▶ Piece counter
- ▶ Display for linear measurement
- ▶ Speed measurement
- ▶ Stop watch

article-no.	WY054900
output	2x PNP

article-no.	WY054905
output	0/4 ... 20mA or -10 ... +10V DC

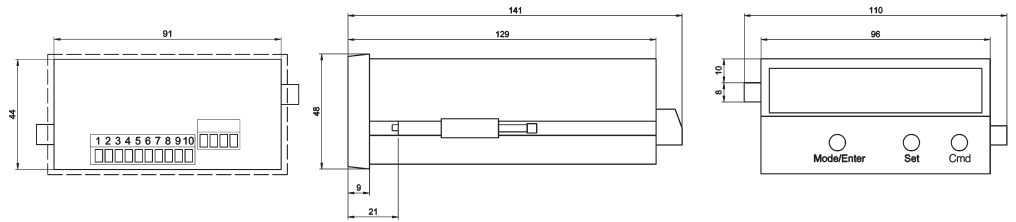


### TECHNICAL DATA

output signal	see above
operating voltage	115 / 230V AC $\pm 12.5\%$ ; 16 ... 35V DC
current consumption (without load)	18V DC: 120mA, 24V DC: 95mA, 30V: 80mA
power consumption	7.5VA
output current (max. load)	150mA
transducer power supply	24V DC $\pm 15\%$ , 150mA (AC and DC)
input	2x pulse , 1x reset (pnp, npn, Namur)
input frequency	counter: 100kHz, A/B: 25kHz, reset: 1kHz
accuracy	$\pm 1$ digit
display	6 decades LED
short-circuit protection	+
reverse polarity protection	+
housing material	Noryl UL94
dimensions	48x96x141mm
operating temperature	0 ... +45°C
degree of protection (EN 60529)	front IP65, rear IP20
connection	terminals

article-no.  
output

WY054902  
RS232 / RS485

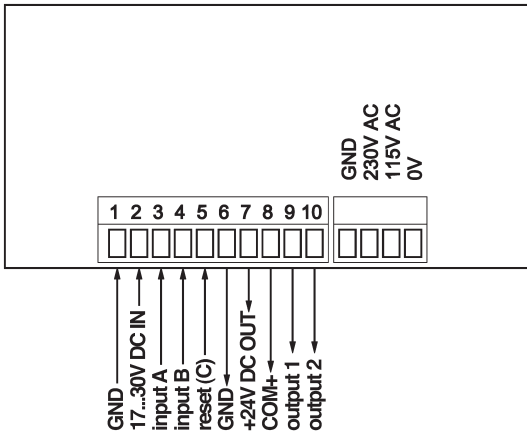


**TECHNICAL DATA**

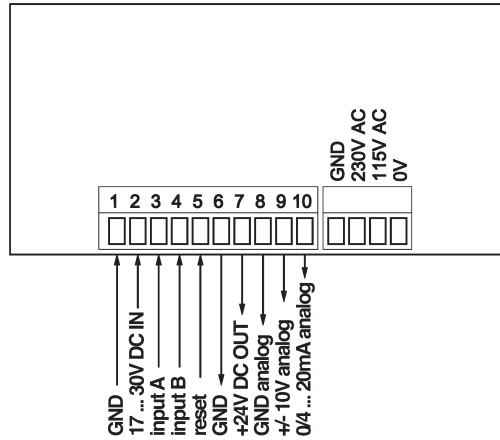
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### connection

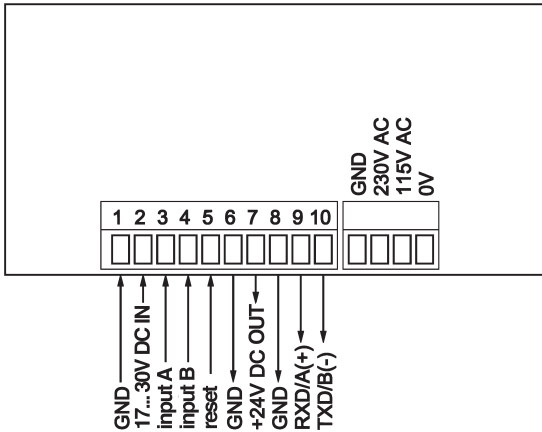
#### WY054900



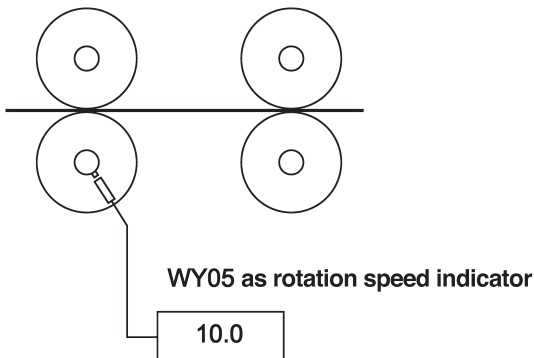
#### WY054905



#### WY054902



### application example



This data sheet contains only the available standard versions. Please contact us for other output and connection versions.

**Warning:** Never use these devices in applications where the safety of a person depends on their functionality.

This data sheet as well as your personal contact can be found at [www.ipf-electronic.com](http://www.ipf-electronic.com)