

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

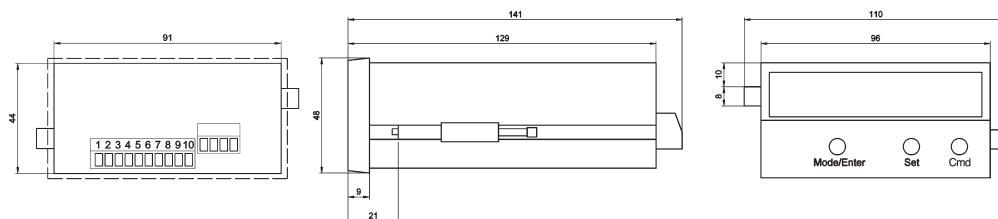
2x PNP

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 DCcurrent 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

 ± 1 digit

display

6 decades LED

short-circuit protection

+

reverse polarity protection

+

housing material

Noryl UL94

dimensions

48x96x141mm

operating temperature

0 ... +45°C

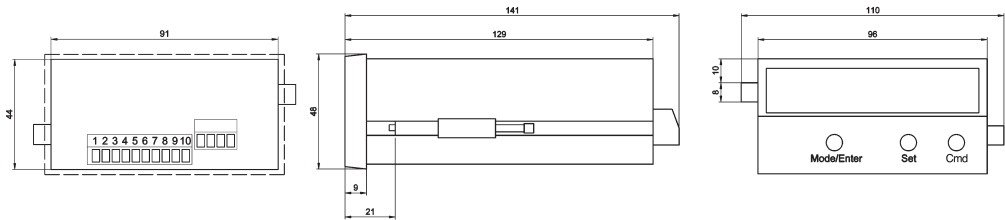
degree of protection (EN 60529)

front IP65, rear IP20

connection

terminals

article-no.	WY054902
output	RS232 / RS485

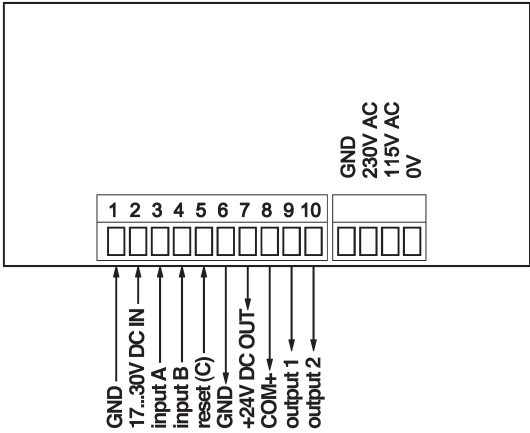


TECHNICAL DATA

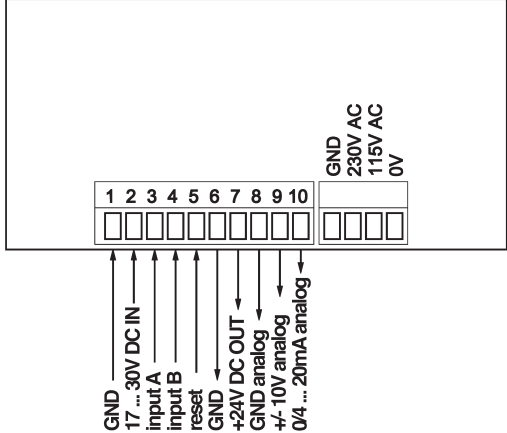
output signal	RS232 / RS485
operating voltage	115 / 230V AC $\pm 12.5\%$; 16 ... 35V DC
current consumption (without load)	18V DC: 120mA, 24V DC: 95mA, 30V: 80mA
power consumption	7.5VA
output current (max. load)	150mA
transducer power supply	24V DC $\pm 15\%$, 150mA (AC and DC)
input	2x pulse , 1x reset (pnp, npn, Namur)
input frequency	counter: 100kHz, A/B: 25kHz, reset: 1kHz
accuracy	± 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

connection

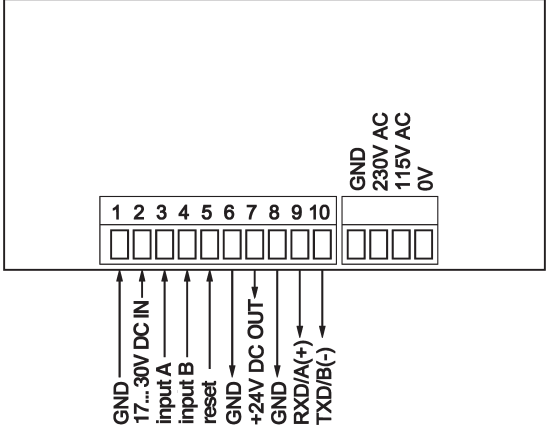
WY054900



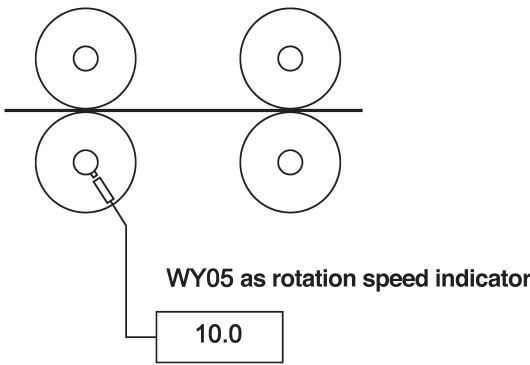
WY054905



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