Frequency displays / tachometers with limits

LED tachometers

Dual frequency displays with 4 outputs and analog output (AC+DC)

574



Innovative

- 2 separate freely scalable frequency inputs: HTL or TTL (both also with inverted inputs), max. input frequency 1 MHz/channel.
- Very bright LED display, 15 mm high (6 digits).
- 4 freely programmable fast solid-state outputs, each with 350 mA output current.
- Many different output modes.
- Simple programming with function codes, dependent on the operating mode selected.
- With 9 fixed different frequency functions, e.g.:
- Single, difference and total value measurement of both inputs.
 Product and ratio measurement.
- Percentage measurement.
- In-process time calculated from frequency (reciprocal speed).

Compact and multifunctional

- Up to 3 display values in a single device: display counter 1, display counter 2 as well as the display calculated from counter 1 and 2.
- AC and DC supply voltage in one device.
- Simple programming with 4 keys, all keys can be assigned dual programming functions.
- Can be used as a frequency display or tachometer with limit values.
- Monitoring function, where 2 values are monitored or calculated with respect to each other.
- 4 fast programmable inputs with various functions such as start delay, key lockout, display memory, reference input or switching between the display values.
- Scalable analog output 0/4 ... 20 mA, +/-10 V or 0 ... 10 V.
- Standard interface RS232 for parameter setting, for reading out the values to a PC or PLC, for modifications during operation.

Order specifications		
4 fast switch outputs, serial interface (RS232)	Order no.	Delivery specification
6 digits	6.574.0116.D05	Controller 574
6 digits, scalable analog output	6.574.0116.D95	· Gasket
		 Fastening set Instruction manual German/English



Frequency displays / tachometers with limits

LED tachometers	Dual frequency displays with 4 outputs and analog output (AC+DC)				574
Accessories / Mounting examples					
Counter Mounting kit 350820 (included in delivery) panel cut-out					
		Type / size	Description		Order no.
Mounting kit			1 kit consists of 2 latch hooks		350820
Mounting frame	123455	cut-out 92 x 45 mm [3.62 x 1.77"]	for snap-on mounting on 35 mm [1.38"] top-hat DIN rail	grey	G300005 –
Software for parameter setting OSxx			https://www.kuebler.com/de/docu-finder search box: OS1		
			1		incl. in delivery

Technical data

General technical data			
Display	6-digit	LED display, 15 mm [0.59"] high	
Operating temperature		0 °C +45 °C [+32 °F +113 °F] (non-condensing)	
Storage temperature		-25 °C +70 °C [-13 °F +158 °F]	

Electrical characteristics			
Supply voltage		24 V AC, + 10 % 24 (17 30) V DC	
Current consumption	DC	100 mA + current consumption encoder	
Connected load AC		15 VA	
Auxiliary power supply (for sensors)		2 x 5.2 V DC, each 150 mA 2 x 24 V DC, each 120 mA	
Device safety	designed to protection class application area	EN 61010 part 1 2 pollution level 2	

Inputs			
2 universal incremental encoder inputs			
Count frequency (per encoder)			
RS422 and TTL with inv.		1 MHz	
HTL	asymmetric	200 kHz	
TTL	asymmetric	200 kHz	
Entrées de commande			
4 control inputs HTL	Ri	3.3 kOhm	
	Low	< 2.5 V	
	High	> 10 V	
min. pulse duration		50 µs	

Outputs	
Switch outputs	
4 fast power transistors	5 30 V DC, 350 mA
reaction time	< 1 ms ¹⁾
inductive loads require a freewheeling di	ode
Serial interface	RS232, 2400 38400 baud
Analog outputs (6.574.0116.D95)	
0 / 4 20 mA	load max. 270 Ohm
0 +10 V	max. 2 mA
Resolution	14 bit
precision	0.1 %
reaction time	< 1 ms
Approvals	

CE compliant in accordance with	
EMC Directive 20	14/30/EU
RoHS Directive 20	11/65/EU
Low Voltage Directive 20	14/35/EU
UKCA compliant in accordance with	
EMC Regulations S.	I. 2016/1091
RoHS Regulations S.	I. 2012/3032
Low Voltage Regulations S.	I. 2016/1101

 Mechanical characteristics

 Housing material
 Noryl UL94-V-0

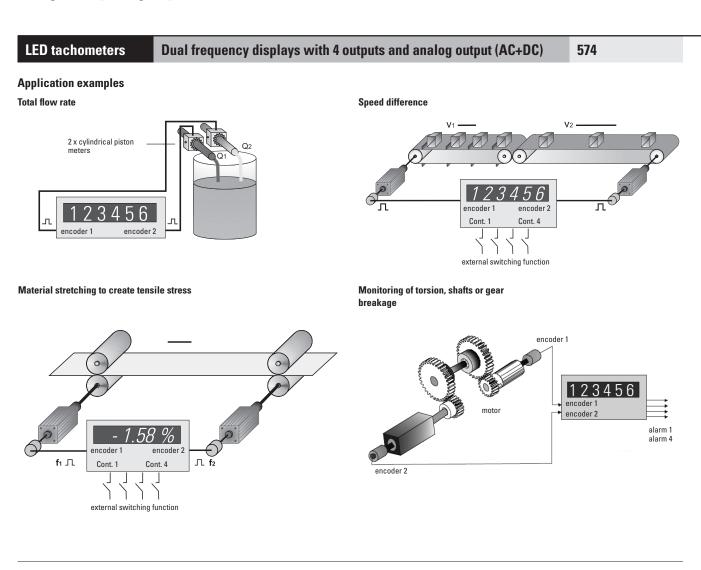
 Screw terminal
 cable cross-section
 max. 1.5 mm² [AWG 15]

 Protection
 IP65 from front

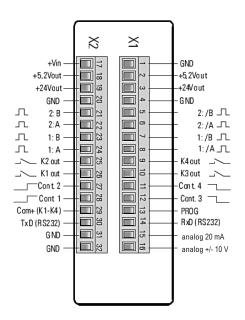
 Weight
 approx. 250 g [8.82 oz]

Kübler

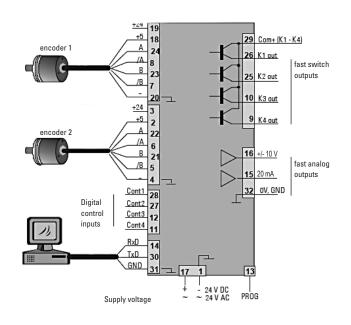
Frequency displays / tachometers with limits



Terminal assignment



Connection examples





Frequency displays / tachometers with limits

LED tachometers

Dual frequency displays with 4 outputs and analog output (AC+DC)

574

Dimensions

Dimensions in mm [inch]

