

P20Z TRANSDUCER OF RMS CURRENT OR VOLTAGE

LUMEL

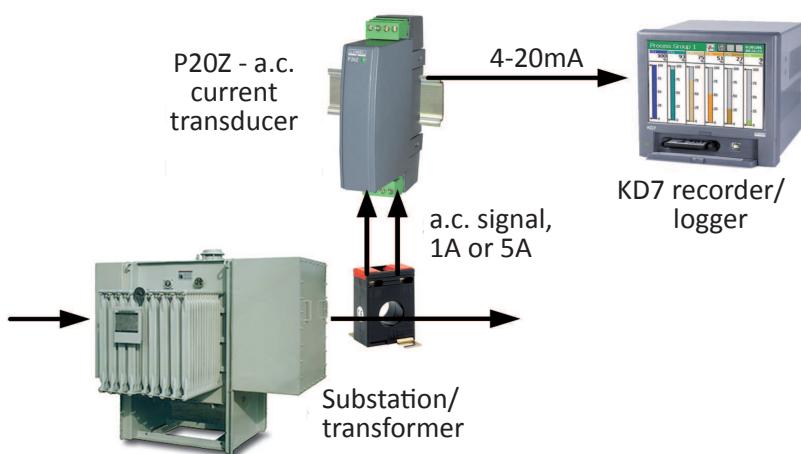
INPUTS:



- Continuous conversion of RMS current or voltage without constant component
- Standard d.c. current or d.c. voltage output signal
- Small dimensions
- 0.2 accuracy class

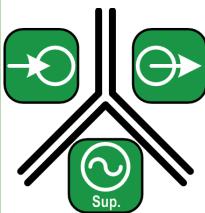
OUTPUTS:

0...20 mA
0...10 V



Measurement and archiving of the a.c current. Measured data are retransmitted to the recorder/data logger.

GALVANIC ISOLATION:



INPUTS				
Input:	Frequency of the input signal	Input signal min..max value	Short duration overload (5s)	Admissible peak factor
Voltage		0.001..1.2 Un	2 Un (max. 1000V)	
Current	45..65..500Hz	0.001..1.2 In	10 In	2

MEASURING RANGES

Input kind	Measuring range	Accuracy class
Voltage	60, 100, 150, 250, 400, 500, 600 V a.c.	Accuracy class: 0.2
Current	1A (X/1 A a.c.), 5A (X/5 A a.c.)	Additional errors: In multiplication of the class index (k): •from ambient temperature change: <0.5 k/10K •external magnetic field: <1 k •frequency of the input signal: <1 k/100 Hz

OUTPUTS

Output kind	Properties	Remarks
0.5 mA	$R_{load} \leq 2000 \Omega$	
0.20 mA	$R_{load} \leq 500 \Omega$	
4..20 mA		Response time: 0.5 sec
0.10 V	$R_{load} \geq 500 \Omega$	

EXTERNAL FEATURES		
Weight	0.125 kg	
Dimensions	22.5 x 120 x 100 mm	
Protection grade (acc. to EN 60529)	ensured by the housing: IP50 on a 35 mm rail	from the terminal cover: IP20
Fixing		
Maximal wire section	2.5 mm ² for execution with screw socket-plug terminals	1.5mm ² for execution with inseparable socket terminals

SEE ALSO:

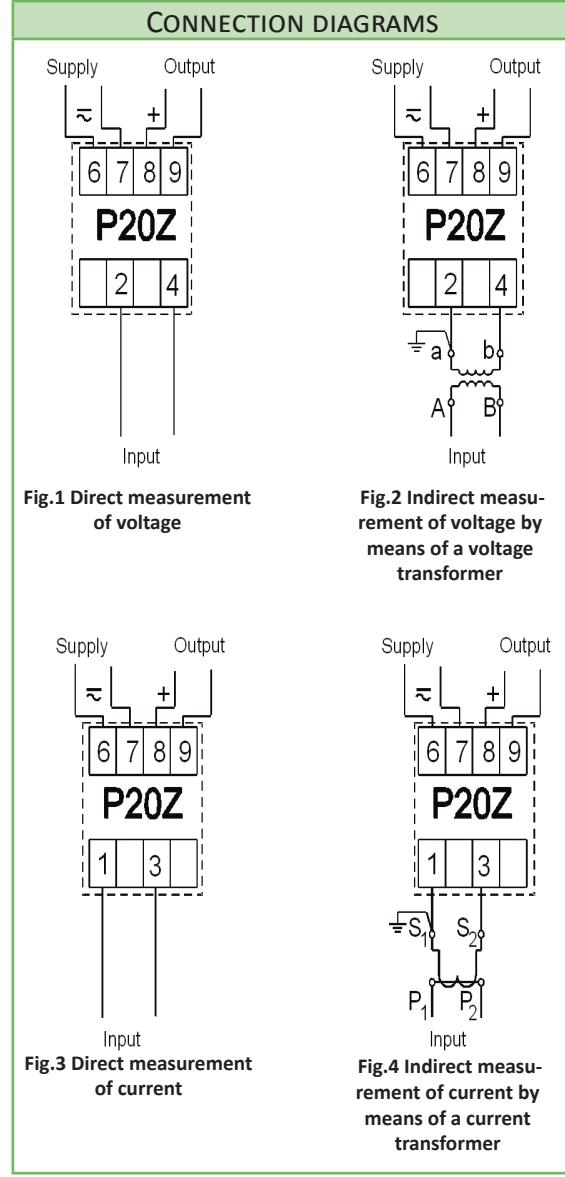
Free LPConfig software for easy programming of LUMEL's products. Available on our website



PD14 programmer - unit for programming LUMEL's products, with USB connection, LPCon compatible.



Programmable digital meter of d.c. current and d.c. voltage N30H.



ORDERING						
TABLE 1. ORDERING CODES:						
Input range:	P20Z-	XX	X	X	XX	X
0..60 V			01			
0..100 V			02			
0..150 V			03			
0..250 V			04			
0..400 V			05			
0..500 V			06			
0..600 V			07			
0..1 A			08			
0..5 A			09			
Output range:						
0..5 mA				1		
0..20mA				2		
4..20 mA				3		
0..10 V				4		
Supply:						
85..253 V a.c./d.c.					1	
20..40 V a.c./d.c.					2	
Kind of terminals:						
inseparable with screws					1	
socket-plug with screws					2	
Version:						
standard					00	
custom-made*					XX	
Acceptance tests:						
without extra requirements						8
with an extra quality inspection certificate						7
acc. to customer's request*						X
* - after agreeing with the manufacturer						
Order example:						
The code P20Z - 09 3 1 1 00 8 means:						
P20Z - transducer of RMS current or voltage						
09 - input signal 5A (X/5A)						
3 - output signal 4..20mA						
1 - supply voltage: 85..253 V a.c./d.c.						
1 - with inseparable screw terminals						
00 - standard execution version						
8 - without extra requirements						