





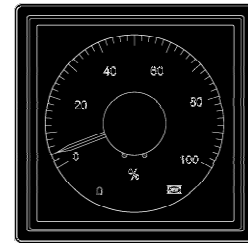
## Technical specifications

Standard measuring ranges • Voltage			Standard measuring ranges • Current		
Lowest range	Highest range	Load	Lowest range	Highest range	Load
0...1V DC	0...100V DC	0.5k $\Omega$ /V	0...1mA DC	0...100mA DC	0.6V
-0.5...0...0.5 V DC	-100...0...100V DC	1k $\Omega$ /V	-0.5...0...0.5mA DC	-100...0...100mA DC	0.3V
			4...20mA		1.6V

The instruments are fitted with a potentiometer with a slotted screw for adjustment of the measuring range (adjustment of ranges 0...1mA, -0.5...0...0.5mA, 4...20mA and other suppressed measuring ranges is not possible). The potentiometer is accessible from the rear of the instrument and is marked "INSTR. ADJ". Standard adjustment range:  $\pm 10\%$  (on request: Up to  $\pm 50\%$ ).

Consumption Illumination	DLQW72-pc	DLQW96-pc
Type -PY/PW	60mA/24V	110mA/24V

Illumination: 24V DC/AC. Adjustment range: 5...30V.



DLQW96-pc-PY

Connection: Quadratic instruments: Screw terminals for measuring signal and illumination:  
Max. 2.5 mm<sup>2</sup> (multi-stranded), max. 4.0 mm<sup>2</sup> (single stranded).  
Alternative connection: Male/female connector for 26 AWG cable.

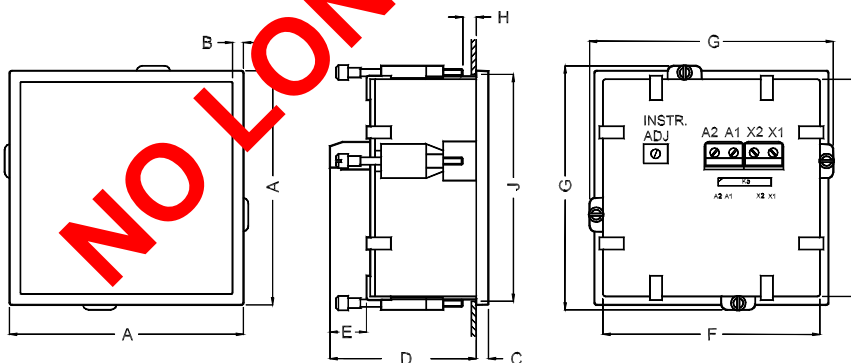
If required by the class, suitable protection against voltage transients (surges) must be built into the power supply (e.g. light dimmer unit) to the instrument illumination input.

Due to different construction principles, the visual appearance of the DLQW72 differs slightly from that of the DLQW96. The fundamental design is similar, but the user must acknowledge these differences:

- Housing:
- DLQW72: Plastic surroundings and bezel and glass window. Glass is sealed with silicone to ensure IP class. Black cover printed directly on window (glass).
  - DLQW96: Complete moulded plastic housing including window. The all-in-one moulding process ensures the IP class. No print on window, but special cover plate inside housing.
- Gasket:
- DLQW72: Black, stamped close-cell rubber gasket. Gasket is visible when mounted (side-view).
  - DLQW96: Blue moulded neoprene rubber gasket. Gasket is not visible when mounted.

## Dimensions

All dimensions in mm



Connection, instr.:

A1 +  
A2 -

Connection, illum.:

X1: 24V AC/DC  
X2: 24V AC/DC

### DLQW

Type	A	B	C	D	E	F	G	H (max.)	J	Weight (kg)
DLQW72	78 x 78	5.3	5.7	63.3	19	65 x 65	78	12	68 x 68 +0.7	0.210
DLQW96	102 x 102	5.3	5.7	68.3	19	90 x 90	103	12	92 x 92 +0.8	0.250

## Order specifications

Examples:	Type	Scale	Measuring range
	DLQW96-pc-PY	0...100%	0...10V DC
<i>When ordering new scales, always forward detailed drawing.</i>			

Due to our continuous development we reserve the right to supply equipment which may vary from the described.



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