ZX Precision Decade Resistance Boxes

- **High accuracy 0.01%**
- **Pt 25, 50, 100 probe simulation**
- **4 versions of 6 dial instruments**
- **Secondary standards**

ZX series of 6 decade boxes have been designed for accurate and reliable applications in laboratories or on site as resistance thermometer simulation.
They are built with resistance stabilised thanks to a controlled ageing process, mounted on low contact resistance switches.

On request, they can be supplied with a Cofrac calibration certificate delivered by our accredited laboratory.

Easy to use
Direct reading of generated value.
Carrying handle, robust metal case.

Specifications

REF		10 x 100 kΩ	10 x 10 kΩ	10 x 1 kΩ	10 x 100 Ω	10 x 10 Ω	10 x 1 Ω	10 x 0.1 Ω	10 x 0.01 Ω	10 x 0.001 Ω
ZX74*					± 0.01%	± 0.01%	± 0.05%	± 0.1%	± 2%	± 5%
	I max				***45 mA***	***140 mA***	***450 mA***	***1.4 A***	***1.4 A***	***1.4 A***
ZX75				± 0.01%	± 0.01%	± 0.02%	± 0.05%	± 0.5%	± 5%	
ZX76			± 0.01%	± 0.01%	± 0.01%	± 0.02%	± 0.1%	± 1%		
ZX77		± 0.05%	± 0.05%	± 0.05%	± 0.05%	± 0.1%	± 1%			
	I max	***1 mA***	***3 mA***	***10 mA***	***30 mA***	***100 mA***	***300 mA***	***1 A***	***3 A***	

* On ZX74 box, minimum value 0.1 Ω. On other boxes, minimum resistance < 20 mΩ.

Maximum admissible voltage on the terminal in normal conditions of utilisation :
30 V~ RMS ou 50 V- according to CEI 61010-1.
Reference conditions for mentionned accuracies :
Temperature 18 to 22°C, humidity 40 to 60 % RH, power dissipation 0,05 W,
Temperature coefficient: – 5 to 10 ppm/°C.

Operating conditions: temperature 5 to 35°C, humidity < 75 % RH, power max 0.2 W.
Weight 4 kg. Dimensions (w x h x d) 440 x130 x 120 mm.

Ordering instructions

6 decade resistance box from 10 x 0.001 Ω to 10 x 100 Ω (min R = 0.1 Ω)	**ZX74**
6 decade resistance box from 10 x 0.01 Ω to 10 x 1 kΩ	**ZX75**
6 decade resistance box from 10 x 0.1 Ω to 10 x 10 kΩ	**ZX76**
6 decade resistance box from 10 x 1 Ω to 10 x 100 kΩ	**ZX77**

Calibration certificates: standards and on request.

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