

**LIONMOUNT KF SERIES**  
**KF DECADE RESISTANCE BOXES**

*SOLD THROUGHOUT THE WORLD TO GOVERNMENTS, EDUCATIONAL AUTHORITIES AND INDUSTRY*



***KF SERIES FEATURES***

- > *Wide range of values*
- > *Wide range of applications*
- > *Range 0.1 to 100M ohms*
- > *Accuracy 1%*

**G**uildline KF Series Decade Resistance Boxes have been introduced as a complementary range to our Type RD Boxes, where they find particular use in teaching establishments and maintenance workshops.

Several types cover the range 0.1 ohm to 111.11 Megohms with a combination of wirewound and High Stability Metal Film resistors. Details of accuracies and current ratings are given overleaf.

Since, all but the lowest two ranges have metal film resistors, the useful frequency limit of these boxes is somewhere in the range of 1-10 MHz, the limitation being the shunt capacitance of about 20 pF at the input terminals.

Of very modest cost compared to other units, the KF series are a welcome addition as development tools, and other applications.

The 6 and 8 decade boxes include tapping points between decades. The taps are brought out to the front panel and this enables the unit to be used as a voltage divider with a ratio which can be adjusted by the user.

***KF Series provides a cost effective variable resistance design for a wide range of applications.***

# KF DECADE RESISTANCE BOXES

## KF SPECIFICATIONS

TYPE	RANGE	NUMBER OF DECADES	DIMENSION and WEIGHT (see code below)
KF1	0.1 ohm to 1.111 ohms	4	A
KF2	1 ohm to 11,110 ohms	4	A
KF3	10 ohm to 111,100 ohms	4	A
KF11	1000 ohm to 11.11 Megohms	4	A
KF16	1 ohm to 1,11 Megohms	6	B
KF17	0.1 ohm to 111,111 Kohms	6	B
KF18	10 ohm to 11,1111 Megohms	6	B
KF19	1 ohm to 111,11 Megohms	8	B
KF22	0.1 ohm to 11.11 Megohms	8	B

### Current Rating, Accuracy of Decades

DECADE	ACCURACY	CURRENT RATING	TYPE OF RESISTOR
x 0.1	5%	1 amp. max.	High Stability Metal Film
x 1.0	2%	600 m.a. max.	High Stability Metal Film
x 10	1%	200 m.a. max.	High Stability Metal Film
x 100	1%	60 m.a. max.	High Stability Metal Film
x 1000	1%	20 m.a. max.	High Stability Metal Film
x 10K	1%	6 m.a. max.	High Stability Metal Film
x 100K	1%	2 m.a. max.	High Stability Metal Film
x 1 Meg	1%	350 volts max.	High Stability Metal Film
x 10 Meg	1%	350 volts max.	High Stability Metal Film

Continuous development may result in minor changes in internal and external design.

## KF SERIES ORDERING INFORMATION

KF/Type      Decade Resistance Boxes  
Certificate of Conformance (included)  
Report of Calibration (extra charge)

### GENERAL SPECIFICATIONS

#### Dimensions

A            112 H x 90 W x 324 L mm (4.4 H x 3.5 W x 12.8 L in)

B            112 H x 180 W x 324 L mm (4.4 H x 7 W x 12.8 L in)

#### Weight

A            1.1 Kg (2.4 lbs)

B            1.7 Kg (3.8 lbs)

### GUILDLINE IS DISTRIBUTED BY:

#### Guildline Instruments Limited

P.O. Box 99  
21 Gilroy Street  
Smiths Falls, Ontario Canada K7A 4S9  
Phone: (613) 283-3000  
FAX: (613) 283-6082  
Web: [www.guildline.ca](http://www.guildline.ca)