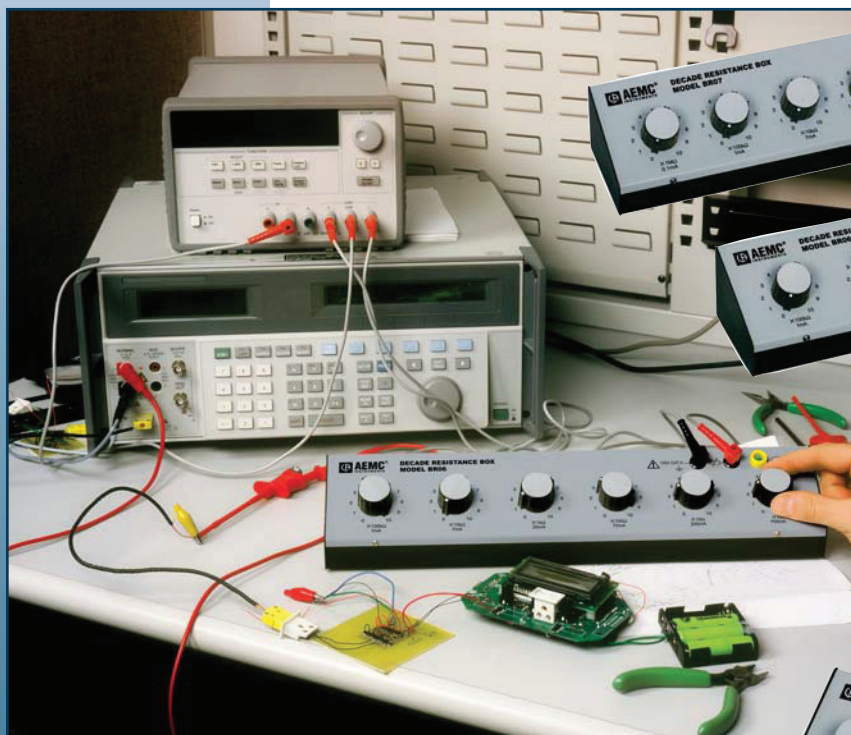


DECADE BOX

Models BR04, BR05, BR06, BR07 & BC05



- ▶ Capacitance and Resistance Decade Boxes
- ▶ Rotary switch selector
- ▶ Stop position to prevent accidental switching from 10 to 0
- ▶ Male ground (earth) terminal with safety jack
- ▶ Outputs on Ø 4mm safety terminals
- ▶ Ground jumper lead EN 61010-2-031, 150V Cat. II, 50V Cat. III, Pollution Degree 2
- ▶ Accuracy 1% (Resistance)
- ▶ Accuracy 3% (Capacitance)

These decade boxes are built into a metal bench top box. They are used for testing and calibration.

The main function of these decade boxes is to create a resistance or capacitance with a specific value by using a combination of the rotary decade switches.

They are equipped with Ø 4mm safety terminals for connection. Designed to international safety standard EN 61010-1.

SPECIFICATIONS

Resistance Decade Boxes

MODELS		BR04	BR05	BR06	BR07
RANGE					
Decade	1	1 to 10Ω	1 to 10Ω	1 to 10Ω	1 to 10Ω
	2	10 to 100Ω	10 to 100Ω	10 to 100Ω	10 to 100Ω
	3	100Ω to 1kΩ	100Ω to 1kΩ	100Ω to 1kΩ	100Ω to 1kΩ
	4	1 to 10kΩ	1 to 10kΩ	1 to 10kΩ	1 to 10kΩ
	5	–	10 to 100kΩ	10 to 100kΩ	10 to 100kΩ
	6	–	–	100kΩ to 1MΩ	100kΩ to 1MΩ
	7	–	–	–	1 to 10MΩ
MAX CURRENT (mA_{DC})					
Decade	1	700mA	700mA	700mA	700mA
	2	200mA	200mA	200mA	200mA
	3	70mA	70mA	70mA	70mA
	4	20mA	20mA	20mA	20mA
	5	–	7mA	7mA	7mA
	6	–	–	1mA	1mA
	7	–	–	–	0.1mA
MEASUREMENTS					
Resistance Range		1Ω to 11.11kΩ	1Ω to 111.11kΩ	1Ω to 1.11111MΩ	1Ω to 11.11111MΩ
Accuracy		1%	1%	1%	1%

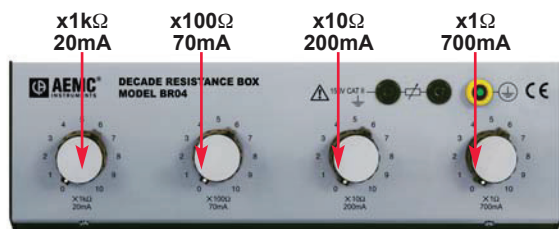
Capacitance Decade Boxes

MODEL		BC05
RANGE		
Decade	1	0.1 to 1nF
	2	1 to 10nF
	3	10 to 100nF
	4	100nF to 1μF
	5	1 to 10μF
MEASUREMENTS		
Total Capacitance		11.111μF
Residual Capacitance		25pF (approx.)
Accuracy		3% (low residual capacitance)
Max Operating Voltage		300V _{DC} , 230V _{AC} (50Hz)

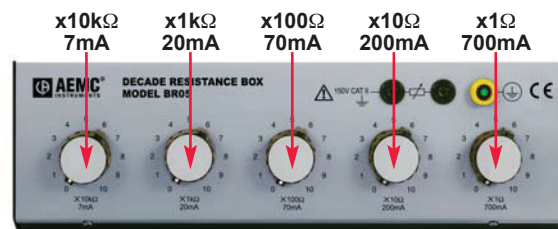
APPLICATIONS

- ▶ Simulate in-circuit conditions on design projects
- ▶ Use in calibration and test procedures
- ▶ Simulate changing conditions
- ▶ Determine optimum values for circuit designs

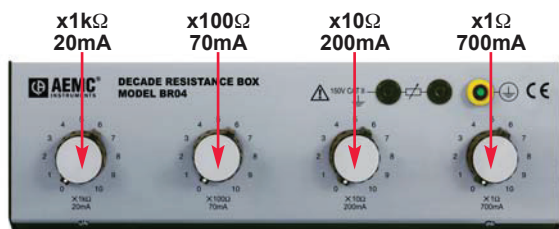
CONSTRUCTION



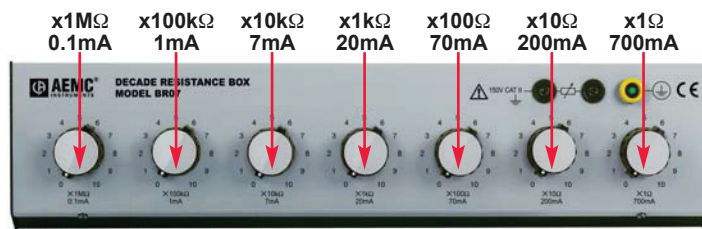
Model BR04



Model BR05



Model BR06



Model BR07



Model BC05

ORDERING INFORMATION

CATALOG NO.

Resistance Decade Box Model BR04 (x1Ω, x10Ω, x100Ω, x1kΩ, 1%)	Cat. #2131.22
Resistance Decade Box Model BR05 (x1Ω, x10Ω, x100Ω, x1kΩ, x10kΩ, 1%)	Cat. #2131.23
Resistance Decade Box Model BR06 (x1Ω, x10Ω, x100Ω, x1kΩ, x10kΩ, x100kΩ, 1%)	Cat. #2131.24
Resistance Decade Box Model BR07 (x1Ω, x10Ω, x100Ω, x1kΩ, x10kΩ, x100kΩ, x1MΩ, 1%)	Cat. #2131.25
Capacitance Decade Box Model BC05 (x0.1nF, x1nF, x10nF, x100nF, x1kNF, e%)	Cat. #2131.26

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