

- 1 mH to 10 H
- In-line read-out
- 3% Accuracy
- High stability
- Compact: 25 x 6 x 10 cm
- Fully Screened



Time Electronics Calibration, Test & Measurement

The **1053** is a compact, robust and accurate decade inductance box suitable for filter design, experimental, general purpose substitution, and DC to DC converter design.

Inductance is set by four easy-to-read dials that are divided into 4 decades, and provide 1mH, 10mH, 100mH, and 1H steps. The maximum setting is 11.11H.

Its custom wound, high permeability ferrite cores ensure insignificant influence from external magnetic fields and maximum stability.

The 1053 is housed in a fully screened robust metal case. The front panel safety terminals are compatible with 4mm shrouded plugs, as well as standard plugs, bare wires, and spade terminals.

1053 Technical Specifications		
Inductar	nce Range:	1mH to 10H (4 decades)
Accurac	y at 1kHz:	3% of setting
End Res	istance:	Less than 0.2Ω
End Indu	uctance:	Less than 1uH
Max curi	rent per decade:	30mA (1mH), 70mA (10mH), 100mA (100mH), 150mA (1H)
Average	resistance per step:	0.1Ω (1mH), 0.5Ω (10mH), 3.4Ω(100mH), 20.5Ω (1H)
Typical (Q Factor at 1kHz:	75 (1mH), 175 (10mH), 280 (100mH), 250 (1H)
Max. Vol	Itage:	30V AC rms (non-switching). Subject to max current rating.
General Specification		
Dimensi	ons:	24.5 L x 6.2 W x 10 H cm
Dimensi Weight:	ons:	
		24.5 L x 6.2 W x 10 H cm
Weight:		24.5 L x 6.2 W x 10 H cm 0.8kg
Weight:		24.5 L x 6.2 W x 10 H cm 0.8kg Calibration Certificates – traceable to NPL and UKAS
Weight: Optional	l Extras:	24.5 L x 6.2 W x 10 H cm 0.8kg Calibration Certificates – traceable to NPL and UKAS Ordering Information
Weight: Optional Code	Description Decade Inductance Be	24.5 L x 6.2 W x 10 H cm 0.8kg Calibration Certificates – traceable to NPL and UKAS Ordering Information

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.

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