FLUKE®

Calibration

A40B Precision Current Shunts

Adapters, cables and connectors

Technical Data

Commonly used leads and adapters

A40B-LEAD/4MM
N to 4 mm double banana connector lead



This lead permits connecting the A40B shunt's N-type connectors to instrumentation that uses dual banana plug connection terminals. Using two leads permits connecting the shunt's voltage output to a voltage measuring instrument and also connecting the shunt's current input to a UUT current source rated 20 A or less.

A40B-LEAD/N
N male to N male lead



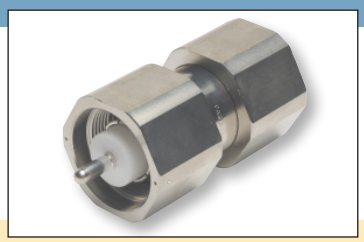
This lead permits connecting the A40B shunt's N-type output connector to a voltage measurement device with a female N-type input connector.

A40B-ADAPT/LCN
LC female to N male inter-series adapter



This adapter enables connecting the N-type input connectors of A40B shunts rated 20 A or less with sources that have male LC current connectors.

A40B-ADAPT/LC
LC male to LC male adapter



This adapter permits connecting current sources with LC female current connectors to A40B LC female shunt input connectors (the 50 A and 100 A shunts). This can also be used with the A40B ADAPT/LCN if a female mating connector is required.

A40B-ADAPT/SPADE
LC male to spade lug terminals



This adapter enables connecting the LC style input connector of the 50A and 100A A40B shunts with sources that use cables equipped with spade lug connectors. This is intended for dc and low frequency ac current measurement applications (up to approximately 1k Hz in frequency).

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Recommended lead and adapter configurations for the A40B shunt input (current) connection

Output connector of the source	Input connector of the shunt (shunt rating)	
	N-type (Shunts – 20 A or less)	LC-type female (50 A or 100 A Shunts)
Dual banana plug	A40B-LEAD/4MM lead	N/A
LC-type male	A40B-ADAPT/LCN adapter plus a user-supplied cable with a female LC connector	User-supplied cable with a female LC connector
LC-type female	A40B-ADAPT/LC adapter plus a user-supplied cable with a male LC connector	A40B-ADAPT/LC adapter plus a user-supplied cable with a male LC connector
N-type	A40B-LEAD/N lead	A40B-ADAPT/LC adapter plus a user-supplied cable with a male LC connector
Cables with lug connectors	N/A	A40B-ADAPT/SPADE

Recommended lead and adapter configurations for the shunt output (voltage measurement) connection

Input connector of the measurement instrument	Output connector of the shunt (N-type female)
Dual banana plug	A40B-LEAD/4MM lead
N-type	A40B-LEAD/N N lead

Specialized accessories
(Recommended When Calibrating A40B Shunts)

A40B-CAL/LC
High current adapter



The high current adapter is used when calibrating the A40B shunts at current levels of more than 2 A. It connects together the current source and two shunts for calibration measurements. This adapter uses LC connectors. In this configuration, a certified or reference shunt is connected in series with a shunt that is being calibrated, which in turn are in series with a current source.

A40B-CAL/N
Low current adapter



The low current adapter is used to calibrate shunts at currents levels of 2 A or less. It connects together the current source and two shunts for calibration measurements. This adapter mates with N-type connectors to the shunts and a dual banana connection to the source. In this configuration, a certified or reference shunt is connected in series with a shunt that is being calibrated, which in turn are in series with a current source.

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