

TECHNICAL DATA

MFC Switchbox™ for molbox1+ and MFC-CB™



Key features

- Continuously powers up to five MFCs and/or MFM's (DUTs)
- Allows switching control between them on one molbox1 or MFC-CB channel.

Product overview: MFC Switchbox™ for molbox1+ and MFC-CB™

The MFC switchbox contains internal switches to switch between five 25-pin MFC connection ports. molbox1+ and MFC-CB support switchbox control allowing MFC switchbox channels to be changed by simple front panel menu selection or remote ASCII string commands.

The MFC switchbox has its own power supply which is configured to maintain continuous power to all five connection ports simultaneously. This allows an MFC to be tested on one channel while other MFCs are warming up. This feature is particularly useful for the many types of MFCs that require an extensive uninterrupted warm-up period to operate within stated specifications.

The MFC switchbox supports COMPASS for Flow software's split control in which an MFC of one range can be used to automatically control the flow to measuring DUTs (such as MFMs) of other ranges. The controlling MFC is connected to channel 1 and the measuring DUTs are connected to the other four channels. (Note: MFC switchbox is intended for used with voltage based MFCs. Only one current based MFC at a time can be connected).

The MFC switchbox is connected to the molbox1+ or MFC-CB MFC control connection and the switchbox

communications port using cables supplied with the switchbox. The MFC connection cables (not included) are the same as those used when connecting directly to molbox1 or MFC-CB.

Specifications: MFC Switchbox™ for molbox1+ and MFC-CB™

Specifications	
Power requirements	85 to 264 V ac, 50 to 60 Hz, 55 VA max consumption
Cooling	Active fan driven air circulation
MFC power supply	± 15 V, 260 mA per channel on up to five channels
MFC port connectors	Five 25-pin female DSUB metal case socket
MFC valve test point and current measurement	Available only on channel 1
Weight	1.5 kg (3.25 lb)
Dimensions (W x H x D)	22.5 cm x 7.5 cm x 20.0 cm (8.85 in x 2.95 in x 7.87 in)

Ordering information



MFC Switchbox™ for molbox1+ and MFC-CB™

MFC Switchbox

MFC Switchbox

Includes:

- MFC Switchbox control cable
- molbox1 or MFC-CB to MFC Switchbox cable
- Power cord
- User's manual

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Fluke Corporation
PO Box 9090, Everett, WA 98206 U.S.A.

For more information call:
In the U.S.A. (800) 443-5853
In Canada (800) 36-FLUKE
From other countries +1 (425) 446-5500
www.fluke.com

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04/2025

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