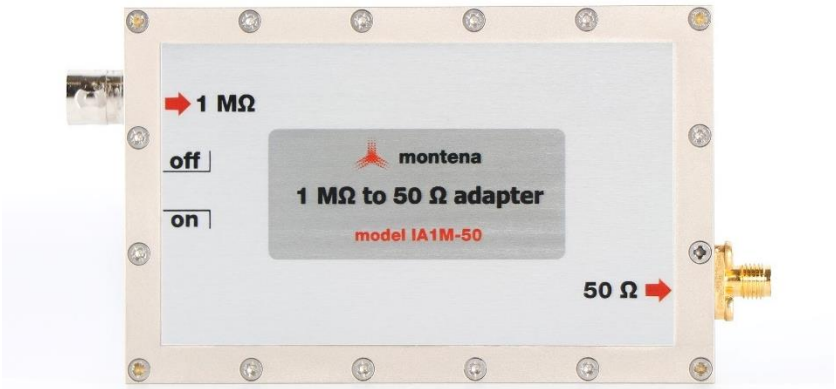
1 MΩ to 50 Ω Impedance adapter

This device converts the signals of high impedance systems to 50 Ω equipment. This enables for instance the remote measurement of voltage probes or passive integrators using a 50 Ω fibre optic link. It can also be used with measurement equipment which have no high impedance input. The adapter has a BNC input connector in order to easily and reliably connect miscellaneous voltage probes having 1 MΩ load impedance.

The box is shielded against very strong electromagnetic interference. The adapter is powered with embedded rechargeable batteries. A battery charger is also provided.



SPECIFICATIONS	
Type	**IA1M-50**
Bandwidth (- 3 dB)	DC – 650 MHz
Input impedance	1 MΩ // 13 pF
Output impedance	50 Ω
Maximum input	+/- 2 V (+/- 20 V up to 10 MHz)
Gain	- 40 dB +/- 1.5 dB
Input connector	BNC female
Output connector	SMA female 50 Ω
Output impedance	50 Ω
Immunity to external electric fields	> 500 kV/m (pulse according to MIL-Std 461 RS105)
Autonomy	> 40 hours
Charger supply	100-240 VAC, 50-60 Hz, 0.35 A
Charging time	< 3 hours
Dimensions (excl. connectors)	99 x 64 x 41 mm (L x W x H)
Weight	350 g

Ordering information

TYPE	DESCRIPTION
IA1M-50	Impedance adapter 1 Mohm -> 50 ohm, on battery, DC – 640 MHz, BNC - SMA connectors, with charger (110-240V)

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