

# 1 M $\Omega$ to 50 $\Omega$ Impedance adapter

This device converts the signals of high impedance systems to 50  $\Omega$  equipment. This enables for instance the remote measurement of voltage probes or passive integrators using a 50  $\Omega$  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 M $\Omega$  load impedance.

The box is shielded and 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 M $\Omega$ // 13 pF
Output impedance	50 $\Omega$
Maximum input	+ 2 V (+ 20 V up to 10 MHz) - 1.5 V (-15 V up to 10 MHz)
Gain	- 40 dB +/- 1.5 dB
Input connector	BNC female
Output connector	SMA female 50 $\Omega$
Output impedance	50 $\Omega$
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 – 650 MHz, BNC - SMA connectors, with charger (110-240V)