



All the measurements you need :  
U, I, P and Cos  $\Phi$ .



# MULTI-Flex

*Electrical, Gas, and Safety*

*Made*

## APPLICATION

MULTI-Flex™ is a digital multimeter, equipped with a small flexible Rogowski coil current transducer (MADE-Flex™) for measuring the voltage and current, the combination of these two inputs enables the calculation of the instantaneous active power and Cos Phi on the electric network.

MULTI-Flex displays :

The RMS 1 second values of the alternative current (AC), the voltage, the power and the power factor.

There is automatic selection of two ranges for the current :

0 – 100 / 0 – 2000 A.

Voltage range : 0 - 480V~ AC

It is powered with a standard 9V battery PP3 Type. 6LR61.

## TECHNICAL CHARACTERISTICS

ELECTRICAL CHARACTERISTICS		
<b>Input Current</b>	MADE-Flex - 2000 A AC	Band-Width 10Hz-10kHz
<b>Input Voltage</b>	Protected banana plugs and 2 leads	IP2X (Mechanical Protection)
<b>Range of current measurement</b>	2 ranges	0-100-2000A AC RMS
<b>Range of voltage measurement</b>	1 range	0 - 480V~ AC RMS
<b>Range of power measurement</b>	1 range	0 – 9999 kW
<b>Range of cos(f) measurement</b>	1 range	0.00 à +1.00
<b>Peak factor</b>	2.5 at the nominal intensity	
<b>Maximum current</b>	MADE-Flex 10 KA dielectric behavior	
<b>Number of channels</b>	2 measurement ways (current and voltage)	
<b>Resolution</b>	Unit of the last digit displayed	
<b>Sampling</b>	1 second RMS values	
<b>Accuracy</b>	0.3% (max value in a range) < P < 5% (low value in a range); with respect to a signal frequency between 45 and 65 Hz	
<b>Influence of the sensor shape</b>	1% for an oblong form	
<b>Influence of an adjacent conductor</b>	1% of the stray current with 50 Hz	
<b>Influence of the conductor position</b>	1%	
<b>Temperature range</b>	Operation : -20°C to 50°C ; Storage : -20°C to 70°C	
<b>Power Supply</b>	9V Type E-BLOCK 6 LR 61. PP3	
<b>Autonomy</b>	Approx. 8h on battery – uninterrupted	
<b>Display</b>	4 digit display	
<b>IP Standards</b>	IP 55	

MADE-Flex coil Ø 5 mm L 30 Ø used for cable diameter up to 9 cm : MFX\_STD\_700

MADE-Flex coil Ø 10 mm L 50 Ø used for cable diameter up to 15 cm : MFX\_STD\_800

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Standards : MULTI-Flex is  marked

European Standards : NF EN 61000-3-1 : EMC - NF EN 61000-6-1 : electrical safety

In order to improve their equipments, MADE is reserving its rights to modify the products described in that documentation, at any time and without prior notification.



MADE

S.A. au capital de 270 130 €

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