7260

WIDE FREQUENCY RANGE IMPEDANCE METER/ FRA

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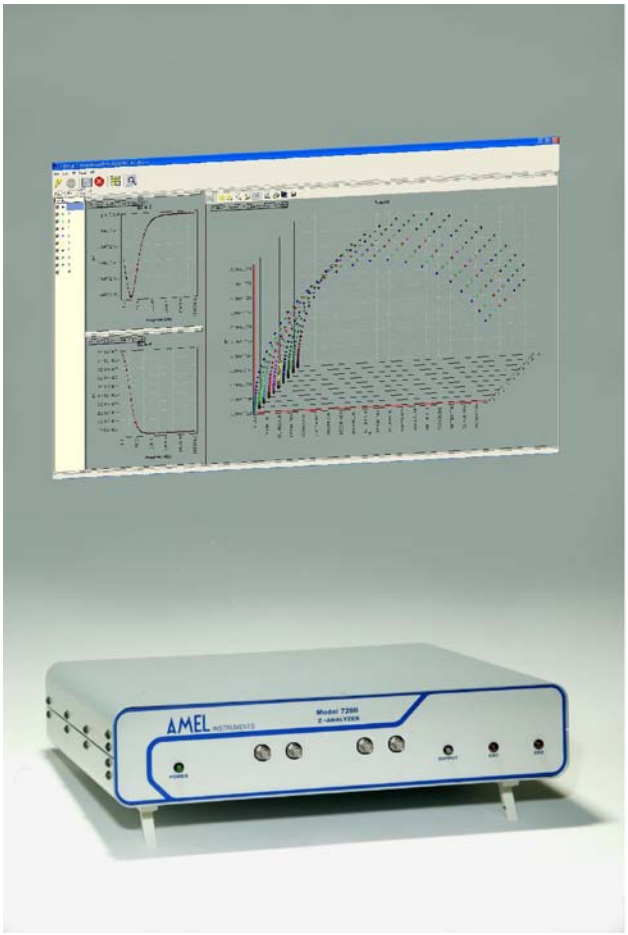

The wide frequency impedance analyzer is driven by a simple yet powerful software that manages the data acquisition even on long term sequences, with an intuitive waterfall 3-D presentation

Open the door to a deeper Knowledge of your samples

A modern electrochemical laboratory is facing every day challenging measures and phenomena to be analysed.

The Impedance Spectroscopy technique greatly expands the application range of electrochemical measures and helps in defining the dynamical behaviour of reactions as well as identifying the relative contribution of two or more concurrent reactions .

The new 7260 Impedancemeter, born from a long-term cooperation with **AMEL Instruments**, takes advantage of all the experience cumulated in years of leading-edge research and focuses on the features really needed in this field.

With a wide frequency coverage **(10 µHz - 35 MHz)** and accuracy (up to 0.1% amplitude, 0.05deg) the 7260 Impedancemeter accomplishes the most difficult tasks in electrochemistry today.

The instrument is easily controlled through a Windows based software that is supplied with the instrument, and allows the managing of multiple runs and complex experimental sequences.

Upgrade now your equipment to Impedance Analysis and take a deeper look at your valued samples

Contact us to find out more on the features, as well as on the ancillary equipment available.

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Cell connection

Operating Mode	Impedance measurement / FRA
Measuring configuration	4-wire for impedance, Gen V1 V2 for FRA mode
input BNC	Outer contact grounded

Generator

Frequency Range	10 µHz ÷ 35 MHz
Accuracy	+/- 0.05% of the desired frequency
Gain accuracy	0.01 dB + 0.001dB/KHz< 1MHz
Phase accuracy	0.02° < 10 kHz 0.05° + 0.0001°/kHz< 35 MHz
Voltage range	+/-100µV to +/-10 V DC+pk AC
Input range	10V, 3V, 1V, 300mV, 100mV, 30mV, 10mV, 3mV, 1mV pk
Resolution	6 Digits

Measurement Ranges

Inductance	10 nH to 10 kH
Capacitance	1 pF to 1000 µF
Resistance	1 mohm to 500 Mohm
Basic Accuracy	0.1%

Input channels

Number	2 balanced differential
Connectors	Dual grounded BNC
Max Input	10V peak from earth
Input impedance	1 Mohm // 30 pF

Output

Output Voltage	0V to 10V peak
Output impedance	50 ohm +/- 1%
Output resolution	50 µV to 5 mV level dependent
Output bias	+/- 5 V

General

Ports	RS232 Baud rate 19200 RTS/CTS Flow control
Voltage mains	115 / 230 V ranges (+/- 10%)
Power consumption	30 VA max
Size & weight	400 x 430 x 135 mm (L x W x H); Kg 12 (rackmount brackets excluded)