

### AC multifunction meters 3Ph or 1&3Phase

The digital multifunction meter Mod.7209 allows the measure of the main electrical parameters. The local visualization of more than 50 measured parameters is made with the usage of TFT colour display 3,5" (320x240) displays, in order to guarantee a reading clear and simultaneous of different measures. Intuitive selection of measures, that have to be visualized, completes a very simple frontal panel, but also supplies a lot of information. Mod.7209 allows measuring inputs for three currents and three voltages in order to be adapted for their use also for single-phase networks, on three-phase networks with or without neutral. Fully auto-range with the measuring unit indication in Kilo or Mega.

### Mod.7209N for 1&3-phase line

- Input: 3 Voltage L-L & L-N;  
range: 30÷690V;
- 3 Current I1, I2, I3;  
range: 0,08÷30A;
- Active, reactive & apparent power;
- Active, reactive & total energy counters;
- Frequency: 40 ÷ 70Hz;
- Power factor: +/- 1.00;
- Harmonic analysis up to 63.rd order
- continuous sampling: 128 samples/period
- measurement refresh rate 200ms
- TFT colour display 3,5" (320x240)

Measures are carried out in a real effective value of voltage, current, frequency, temperature and all the other calculated parameters are visualized on tft colour display (320x240) 3.5" displays. On displays it's possible to read at the same time each phase for selected parameter.

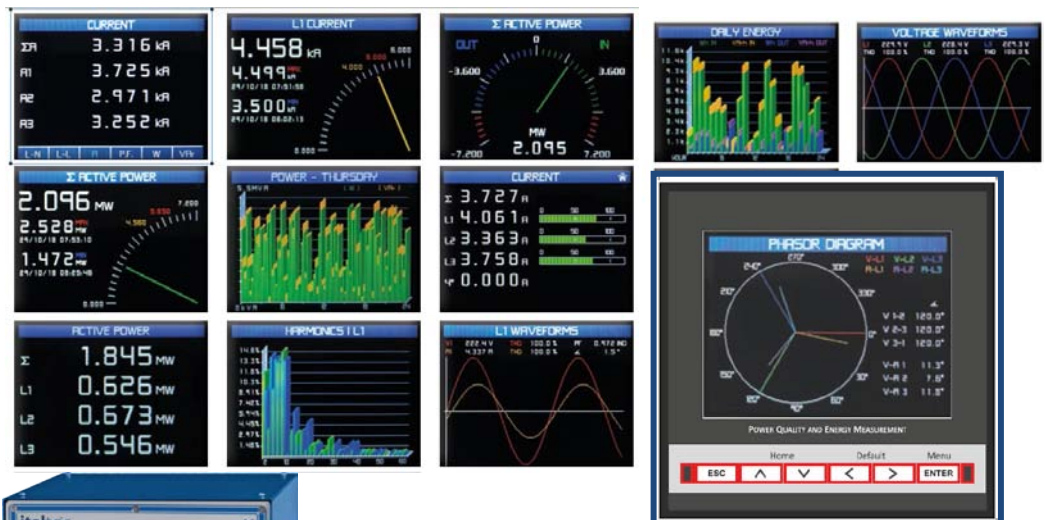
Immediate and simple reading in clear displays for the identification of visualized parameter with button for intuitive functionality.

#### Options

- Rs485 port
- Software for windows



Model	Mod.7209N	
<b>Power supply</b>	230Volt, ± 15% 50/60Hz	
<b>MEASURES</b>	V, A, COSFI, Hz, h, Temp, W, Var, VA, KWh, KVARh, KVAh	
<b>VOLTAGE INPUTS</b>	Range	30...690VAC L-L (20...390VAC L-N)
	Method	True RMS value
	Connection	Single-phase, two-phase, three-phase systems
<b>CURRENT INPUTS</b>	Range	0,08...30A
	Method	True RMS value
<b>ACCURACY</b>	Voltage/Current	0,3%
	Power	0,5%
	Frequency	0,5% (40 ÷ 70Hz)
	Active energy	Class 1
<b>INSULATION</b>	Voltage	3kVAC for 1 minute
<b>AMBIENT CONDITION</b>	Temperature	-10...+60°C
<b>Weight</b>	Kg	5
<b>COMMUNICATION PORTS</b>	RS485 serial interface	MODBUS-RTU 38,4 kbps
<b>ALARM PORT</b>	2 digital outputs	



#### Software for windows

Software for connecting to Windows computers for the visualization, recording and export of all data collected by the instruments. Digital and analog display (on PC video) of all 3-Phase line parameters (voltage, current, frequency, power factor, active power, reactive power, apparent power). Modbus Rtu response (38,4kbps - 32 registers) <100ms. Waveform and harmonics visualization