



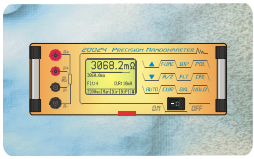






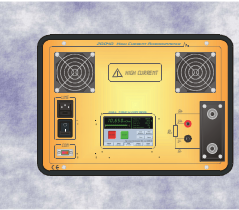

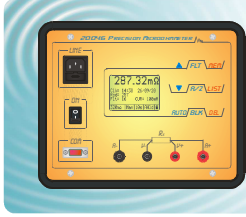
PEDRANTI ELIO

Consulenza e Progettazione Apparecchiature
Elettroniche Analogiche, Digitali e a Microprocessore

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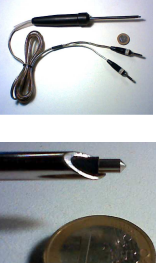



YEAR 2024

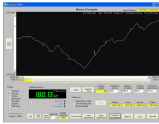

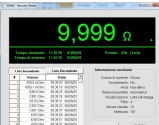
	INSTRUMENT	DELIVERY
	<p>20020 Pocket microohmmeter</p> <p><u>OUT OF PRODUCTION</u> <u>REPLACED BY MODEL 20044</u></p> <p>24000 measuring points – range 2400$\mu\Omega$÷2400Ω – 100nΩ÷100mΩ resolution – auto/manual selection of range – 0,05% base accuracy – absolute relative measurement – zero/compensation of test lead – auto-off – display backlight on/off – hold of measure – contrast control – supply with 3 AA batteries – up to 150 hours autonomy – weight 270g with batteries – optional carrying case for transporting and housing the measuring cables</p>	1 week
	<p>20022 Portable microohmmeter</p> <p><u>OUT OF PRODUCTION</u> <u>REPLACED BY MODEL 20046</u></p> <p>32000 measuring points – range 3200$\mu\Omega$÷320Ω - 100nΩ÷10mΩ resolution – auto/manual selection of range – 0,05% base accuracy – measuring current up to 10A – automatic bipolare measuring – absolute and relative percentage measurement – selection of measurement current – zero/compensation of test lead – selectable filtering of measurement – display backlight on/off – hold/autohold of measure line/battery power standard – up to 350 hours autonomy – tolerance to inductive load up to 35H – protection IP65 – casing made of of high strength plastic – optically isolated USB connection</p>	1 week
	<p>20024 Eight ranges and a resolution up to 1nΩ</p> <p>32000 measuring points – range 32$\mu\Omega$÷320Ω – 1nΩ÷10mΩ resolution – auto/manual selection of range – 0,05% base accuracy – measuring current up to 10A - automatic bipolare measuring – selection of the polarity of the della measurement current – absolute and relative percentage measurement – compensation of measurement with ambient temperature according to CEI EN 60228:2005-10 – selection of measurement current – zero/compensation of test lead – selectable filtering of measurement – display backlight on/off – save/recall of setup – hold/autohold of measure – line/battery power standard – up to 350 hours autonomy – tolerance to inductive load up to 35H – optically isolated USB connection</p>	1 week
IMAGE NOT AVAILABLE	<p>20024-EPS External power supply for 20024</p> <p>This small external power supply allows the uninterrupted use of 20024 nanohmmeter, maintaining also the battery charge of the instrument. The instrument 20024 is in fact capable of delivering the maximum measuring current of 10A in a continuous manner for a limited time of about 1 hour, even if connected to the mains. The addition of the external power supply eliminates this limitation.</p> <p>Dimensions: about 17x13x7 cm</p>	4 weeks
	<p>20026 Specifically dedicated to big power transformers up to about 300MVA</p> <p>32000 measuring points – range 3200$\mu\Omega$÷320Ω – 100nΩ÷10mΩ resolution – manual selection of range – 0,05% base accuracy – measuring current up to 10A – selection of measurement current – zero/compensation of test lead – selectable filtering of measurement – display backlight on/off – line/battery power standard – up to 300 hours autonomy – tolerance to inductive load up to 200H – protection IP65 – casing made of of high strength plastic – optically isolated USB connection</p> <p>The instrument is supplied with safety connectors and 9m cables Kelvin clips with 50mm maximum aperture.</p>	2÷8 weeks

 	<p>20028 Microohmmeter – microvoltmeter USB powered</p> <p>The instrument is completely managed by a PC on which the measurement is represented, a secondary measurement to be chosen among 19, to perform a recording and Go-NoGo tests and to use the instrument also as a microvoltmeter.</p> <p>Microohmmeter 32000 measuring points – range $320\mu\Omega\div 3200\Omega$ – $10n\Omega\div 100m\Omega$ resolution - automatic / manual selection range – accuracy 0.05% – positive, negative and bipolar measurement – average between 1 and 128 measurements – from 4 to 32 measurements / second – 19 secondary measurements including relative absolute and percentage measurements, min / max, Ohm / meter, Ohm / kilometer, resistance, resistivity, all possibly compensated in temperature, calculation of ΔR based on ΔT and calculation of ΔT based on ΔR – Go / NoGo test based on 7 different criteria and result on relay contact and acoustic signaling and voice message</p> <p>Microvoltmeter 32000 measuring points – $320\mu V \div 320mV$ range – $10nV \div 10\mu V$ resolution – average between 1 and 128 measurements – from 4 to 32 measurements/second</p>	<p>4 weeks</p>
	<p>20032 Fast microohmmeter with temperature probe</p> <p>Specific, but not only, for measurement with temperature compensation</p> <p>32000 measuring points – range $3200\mu\Omega\div 32K\Omega$ – $100n\Omega\div 1\Omega$ resolution – auto/manual selection of range – 0,05% base accuracy – high-speed measurement of up to 10 measurements /second – measuring current up to 2A – automatic bipolare measuring – selection of the polarity of the della measurement current – absolute and relative percentage measurement – test Go - No Go with acoustic signaling of the type of result – compensation of measurement with ambient temperature according to CEI EN 60228:2005-10, 7 preset temperature coefficients of materials widely used or set by operator – zero/compensation of test lead – selectable filtering of measurement – display backlight on/off – save/recall of setup – hold/autohold of measure – mains operation – tolerance to inductive load up to 35H – optically isolated USB connection</p>	<p>1 week</p>
	<p>20040 Specific for test contactors and power junctions</p> <p>Current up to 300A and power on Rx up to 110W</p> <p>12000 measuring points – range $120\mu\Omega\div 1200m\Omega$ di f.s. – $10n\Omega\div 100\mu\Omega$ resolution – 4,3” color touch screen display – manual selection of range – 1% base accuracy – measuring current up to 300A – setting measuring current in steps of 5A – bar graph with 240 points – recording / viewing up to 200 measurements, even with notes / messages up to 180 characters – language selection between Italian and English – save of setup – hold of measure – adjustable backlight – optically isolated USB connection</p>	<p>8 weeks</p>
	<p>20044 High performance pocket microohmmeter</p> <p>32000 measuring points – range $3200\mu\Omega\div 3200\Omega$ – $100n\Omega\div 100m\Omega$ resolution – automatic / manual selection range – numerical and graphic representation – menù in Italian and English – accuracy 0.05% – measurement current up to 1A – average between 1 and 64 measurements – 12 secondary measurements including relative absolute and percentage measurements, min / max, Ohm / meter, resistance, resistivity, all eventually compensated in temperature – measurement compensation based on ambient temperature according to CEI EN 60228: 2005-10 – autonomy up to 65 hours – 5Ah rechargeable lithium battery – self-shutdown – adjustable backlight – hold measurement – weight 300g batteries included</p>	<p>1 week</p>
	<p>20046 Portable microohmmeter - data logger up to 1000 measurements</p> <p>32000 measuring points – range $320\mu\Omega\div 3200\Omega$ - $10n\Omega\div 100m\Omega$ resolution – auto/manual selection of range – saving up to 1000 measurements with date and time in the non-volatile memory – automatic data logger – 0,05% base accuracy – measuring current up to 10A – zero/compensation of test lead – selectable filtering of measurement – display backlight on/off – hold/autohold of measure – line/battery power standard – up to 200 hours autonomy – tolerance to inductive load up to 35H – protection IP65 – casing made of of high strength plastic – optically isolated USB connection</p>	<p>1 week</p>

At address www.eliopedranti.it/documentazione.htm of our website you can download the manuals and brochures of all our instruments and softwares.

ACCESSORIES FOR 20000 OHMMETERS FAMILY

ACCESSORIES and SOFTWARE		SUITABLE TO THE INSTRUMENT	DELIVERY
	<p>Pliers mod. KLV15</p> <p>Pair of cables each with KELVIN pliers. 1.5 mt of cable, red and black banana plugs and pliers with a maximum aperture of 7mm.</p> <p>WARNING: Not suitable for ranges with measuring currents of 10A present on the instruments 20012, 20022, 20024 and 20026</p>	all instruments in all versions, except 20026 and 20040	1 week
	<p>Tips mod. PKLV-V2</p> <p>Pair of cables each with KELVIN tip of 10,5cm. 1.5 meter cable, red and black banana plugs, the current and voltage tips are retractable gold-plated.</p> <p>WARNING: Not suitable for ranges with measuring currents of 10A present on the instruments 20012, 20022, 20024 and 20026</p>	all instruments in all versions, except 20026 and 20040	1 week
	<p>Power Kelvin Tips KLV up to 10A mod. PKLVP</p> <p>Pair of cables each with KELVIN tip for currents up to 10A and with cable up to 5m, in red and black banana plugs, the voltage tip is retractable.</p> <p>Standard cable length: 3m Current tip diameter: 6mm Retractable voltage tip diameter: 3mm</p> <p>WARNING: In the image one Power Kelvin tip is visible.</p>	all instruments in all versions, except 20026 and 20040	4 weeks
	<p>Pliers mod. KLV30</p> <p>Pair of cables each with KELVIN pliers with 3m cable and 2.5mm² section, red and black banana plugs and pliers with a maximum aperture of 32mm. Suitable for all instruments (excluding 20026 and 20040) and for currents up to 10A.</p>	all instruments in all versions, except 20026 and 20040	1 week
	<p>Pliers mod. KLV100</p> <p>Pliers KELVIN pair with cable length on request up to 10mt and maximum section of 6mm², red and black banana plugs and pliers with a maximum aperture of 32mm. Suitable for all instruments (excluding 20026 and 20040) and for currents up to 10A.</p> <p>WARNING: The cost depends on the length of the cable required. As an example of a pair of cables 5m costs $60 + 5 \times 12 = 120\text{€}$</p>	all instruments in all versions, except 20026 and 20040	1 week
	<p>Power pliers mod. PNZ100</p> <p>Pair of cables each with a current plier and a voltage plier. Cable length on request up to maximum 50m and cable section depending on the length. Red and black banana plugs and standard pliers with maximum aperture of 55mm. Optional pliers with greater openness.</p> <p>WARNING: The cost of the cable depends on the length required. Example cost for highly flexible cables of 20m and section 7,5mm²: 300€.</p> <p>In the image one cable of power plier is visible.</p>	all instruments in all versions, except 20026 and 20040	1 week
	<p>SIT</p> <p>Certification by accredited laboratory Aviatronik in laboratory quality ACCREDIA LAT n° 19</p>	all instruments in all versions	
	<p>CER</p> <p>Certification by accredited laboratory Aviatronik as private laboratory</p>	all instruments in all versions	
	<p>USB adapter mod. AUSB</p> <p>USB adapter optoinsulated used for reading data, reading and writing instrument setup with PC</p>	20022, 20024, 20026, 20032, 20040, 20046	1 week

	<p>Software RECORDER 20000</p> <p>Software for data acquisition, recording and saving the data to a maximum of 600,000 samples with storage to files and / or sending data in Excel. Allows viewing on a chart of how acquired with ample opportunity to zoom, also indicating the maximum, minimum, delta and average of the entire record, the displayed portion or measurement alone.</p> <p>Recognizes the instrument with which it is connected by providing specific commands for each.</p>	<p>20022, 20024, 20026, 20032, 20046</p>	<p>1 week</p>
	<p>Software 20040 Remote Viewer (including USB adapter)</p> <p>Remote viewing software specifically dedicated to micro-ohmmeter up to 300A model 20040.</p> <p>Displays measurements, settings, various reports and data stored in non-volatile memory, including the associated notes. You may transfer data directly to Excel.</p> <p>For safety issue the instrument 20040 does not allow remote control of range and measuring current, so this software does not have the ability to select ranges and current or start/stop the measure.</p> <p>The remote viewer kit is made by the software and USB adapter, necessary for the connection to the instrument.</p>	<p>20040</p>	<p>1 week</p>
	<p>Software 20046 Remote Viewer (including USB adapter)</p> <p>Remote viewing software specifically dedicated to micro-ohmmeter 20046.</p> <p>Displays measurements, settings, various reports and data stored in non-volatile memory, including date and time of saving of each measurement. You may transfer data directly to Excel.</p> <p>This software does not have the capability to remotely control the instrument, except synchronization of the instrument clock.</p> <p>The remote viewer kit is made by the software and USB adapter, necessary for the connection to the instrument.</p>	<p>20046</p>	<p>1 week</p>

The company **PEDRANTI ELIO** deals with the design, production and sale, also through dealers, of microhmmeters and their accessories until since 1979. In these years we have always tried to stay at the forefront, offering a wide range of products that cover everyone's needs: from simple and economical model to the high-performance model, always aiming at maximum ease of use, offering the features actually used.

Thanks to the long experience in the design of microhmmeters, but not only in these instruments, we can adapt our products to the specific needs of customers, or even create accessories ad hoc.