Iskra

Iskra MIS, d.d.

Didactic Programme

Description

Main characteristic of the modern teaching is practical, experimental work of pupils. Portable meters are indispensable for exercises at physics and practical work. Very important for meters is safety. At the same time they must have attributes of professional equipment. Our meters have all the above. They enable a wide range of measurments of different electrical quantities and are adapted specially to pupils' work. They have excellent protection against overloads, are friendly to use, reliable and enable accurate readout. Still in doubt? Then you have to read about their features below and try meters by yourself.

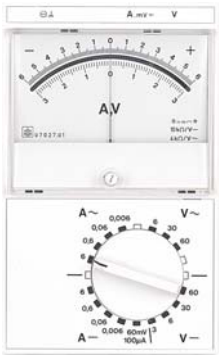
07021.00 - Multimeter

Designed for measuring AC/DC currents and voltages. Adequate for techical teachings but also for measuring at electrotechnics and electronics outside school. It has excellent protection against overload. Longlife is assured with robust construction which guarantees protection against mechanical damages. We suggest one instrument for work of two pupils.

07026.00 - Multimeter

Designed for measuring AC/DC currents, voltages and resistances. It has its own battery power supply. Adequate for techical teachings, but also for measuring in electrotechnics and electronics outside school. It has excellent protection against overload. Longlife is assured with robust construction which guarantees protection against mechanical damages. We suggest one instrument for work of two pupils.

07027.00 - Multimeter



Designed for measuring AC/DC currents and voltages. With switch selector you can choose all measuring ranges. Multimeter is easy to use, handy and extremely well protected against overloads and has zero point in the middle of the scale. Because of all these quallities it is very suitable for pupils exercises. We suggest one instrument for work of two pupils.

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07035.00 - Voltmeter

Designed for measuring AC/DC voltages. With our ampermeter 07036.00 it makes the voltmeter set, suitable for basic and advanced experiments at electrotechnics and electronics. Because of its large internal resistance it is specially adequate for measurings in electronics. We suggest one instrument for work of two pupils.

07036.00 - Ampermeter

Designed for measuring AC/DC currents. Together with our 07035.00 voltmeter it is adequate for basic and advanced experiments in the field of electronics and electrotechnics. We suggest one instrument for work of two pupils.

07037.00 - Voltmeter

Designed for measuring small DC voltages. Adequate for exercises at which pupils use galvanic couples, baterries and low voltage sources. We suggest one instrument for work of two pupils.

07038.00 - Ampermeter

Designed for measuring DC currents. Adequate for exercises at which pupils use galvanic couples, batterries and low voltage sources. We suggest one instrument for work of two pupils.

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07039.00 - Galvanometer

Designed for measuring small DC currents. The instrument is extremely adequate for experiments at which is used zero method, for example at Wheatstone bridge. Also it is appropriate for experiments related with inducing. We suggest one instrument for work of two pupils.

Technical characteristics

TYPE	**07021.01**	**07026.00**	**07027.01**	**07035.00**	**07036.00**	**07037.00**	**07038.00**	**07039.00**
Type of measurement	*Multimeter*	*Multimeter*	*Multimeter*	*Voltmeter*	*Ammeter*	Voltmeter	Ammeter	*Galvanometer*
Voltage =	240mV ... 600V	0.1V ... 1000V	0.06V ... 60V	0.3V ... 300V	60mV	5/15V		
~	6V ... 600V	1V ... 1000V	6V ... 60V	10V ... 300V	-	-	-	-
Current =	0.12mA ... 6A	0,1mA ... 10A	100µA ... 6A	-	1mA ... 3A	-	1/5A	3,5mA
~	6mA ... 6A	1mA ... 10A	6mA ... 6A	-	1mA ... 3A		-	-
Resistance Ωx	-	1,10,100	-	-	-	-	-	-
Level dB	-	-10...+12	-	-	-	-	-	-
Input resistance =	10k Ω/V	12kΩ/V	10kΩ/V	30kΩ/V	-	1kΩ/V	-	-
~	4kΩ/V	4kΩ/V	4kΩ/V	10kΩ /V		-		
Accuracy	1,5= 2,5~	1,5= 2,5~	2,5≅	2,5≅	2,5≅	1,5	1,5	1,5
Frequency range	20 Hz ... 10 kHz	15 Hz ... 11 kHz	15 Hz ... 11 kHz	15 Hz ... 10 kHz	-	-	-	-
Supply	-	2x1,5V R6	-	-	-	-	-	-
Dimensions (mm)	100x165x55							
Special features	*Scale with a mirror*	*Scale with a mirror*	*Zero point in the middle of the scale*	-	-	*Scale with a mirror*	*Scale with a mirror*	*Zero point in the middle of the scale*
Use	*Basic meter for exercises at natural science and engineering*	*Exercises at engineering, hobbies, for resistance measuring you need 2 galvanic couples with 1,5V*	*Basic meter for exercises at natural science and engineering, for measuring at bridges' circuits*	*Pupils exercises as second meter*	*Pupils exercises as second meter, posible expanding of measuring range up to 100 A*	*Pupils exercises and teachers' experiments, university's practice*	*Pupils exercises and teachers' experiments, university's practice*	*Pupils exercises and teachers' experiments, university's practice*

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