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## Equipment for INTENSE school

**Partner: Karazin Institute of Environmental Sciences  
of V. N. Karazin Kharkiv National University.**

# Атомно-абсорбционный спектрометр Atomic absorption spectrometer



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**Определение тяжёлых металлов  
в различных объектах  
окружающей среды  
(вода, почва, растительность и  
др.).**

**Measurement of heavy metals  
concentration in various  
components of environment  
(water, soil, plants etc.).**

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# Спектрофотометр ULAB 102UV Spectrophotometer ULAB 102UV



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Определение различных элементов и  
соединений спектрометрическим  
методом в различных объектах.

Measurements of various elements and  
compounds in different objects by using  
spectrometric method.

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# Фотоколориметр КФК-2

## Photocolorimeter КФК-2



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Определение различных элементов и соединений фотоколориметрическим методом в различных объектах.

Measurements of various elements and compounds in different objects by using photocalorimetric method.

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# Фотоколориметр КФК-2МП

## Photocolorimeter KFK-2MP



Определение различных элементов и соединений фотоколориметрическим методом в различных объектах.

Measurements of various elements and compounds in different objects by using photocalorimetric method.

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# Иономер лабораторный И-160МИ Ionometer И-160МИ



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## Определение pH в различных средах окружающей среды (вода, почва).

## pH measurements in various components of the environment (water, soil).

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# Портативный дозиметр-радиометр Portable dosimeter-radiometer



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Определение радиационного фона:  
измерение гамма-фона,  
измерение бета-загрязнения; измерение  
времени накопления дозы.

Measurements of radiation background:  
measurement of gamma background,  
measurement of beta-pollution; measurement of  
dose accumulation time.

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# Портативный нитратомер-дозиметр Portable nitrate dosimeter



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Определение содержание нитратов в различных  
продуктах и воде.

Определение радиационного фона.

Measurements of nitrate concentrations in various  
products and water.

Measurements of radiation background.

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# Портативный набор EZDO 7200

## Portable set EZDO 7200



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Определение pH, окислительно-  
восстановительного  
потенциала, минерализации,  
засоления, электропроводности  
в воде.

Measurements of pH, redox  
potential, mineralization, salinity,  
electrical conductivity in water.

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# Портативный люксометр ET-952

## Portable luxometer ET-952



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Цифровой портативный  
измеритель освещённости в  
помещениях и на рабочих  
местах.

Digital portable light meter for  
measurements in rooms and  
workplaces.

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# Портативный газоанализатор ОКСИ-5М

## Portable gas-analyser ОКСИ-5М



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Измерение объёмной концентрации  
кислорода (O<sub>2</sub>), CO, NO, NO<sub>2</sub> и SO<sub>2</sub> в дымовых  
газах и в воздухе, температуры дымовых  
газов.

Measurements of volumetric concentrations of  
oxygen (O<sub>2</sub>), CO, NO, NO<sub>2</sub> and SO<sub>2</sub> in flue gases  
and in air, measurements of flue gases  
temperature.

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# Портативный электроаспиратор ASA-4M

## Portable electric aspirator



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Предназначен для  
одновременного отбора проб  
воздуха по 4 каналам с  
сочетанием "пылевых" и  
"химических" каналов/

For simultaneous sampling of air  
through 4 channels with a  
combination of "dust" and  
"chemical" channels.

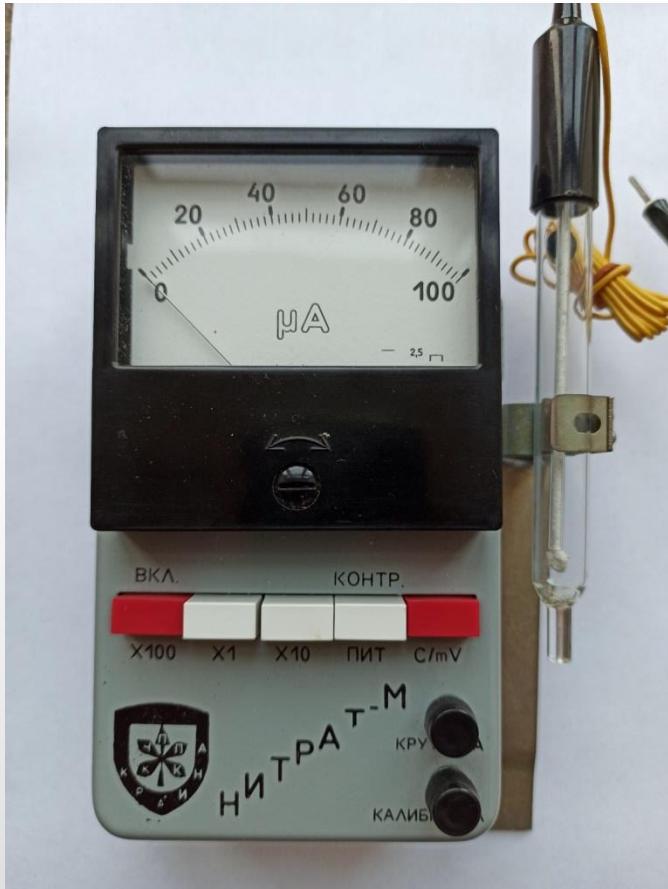
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# Нитратомер лабораторный НИТРАТ-М Nitratometer НИТРАТ-М for laboratory



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**Определение содержания нитратов  
потенциометрическим методом.**

**Measurements of nitrates by using potentio-  
metric method.**

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# Портативный pH-метр Portable pH-meter



Определение pH среды в водных объектах при  
экспресс-анализе в полевых условиях.

pH measurements in water during express-analysis in  
the field.



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# Портативный pH-метр, TDS, EC, Salt Portable pH-meter, TDS, EC, Salt



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**Определение pH, минерализации,  
электропроводности и засоления в водных  
объектах.**

**Measurements of pH, mineralisation, electric  
conductivity and salinity in water.**

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# Портативный ОВП-метр и температуры Portable device or measurements of redox potential and temperature



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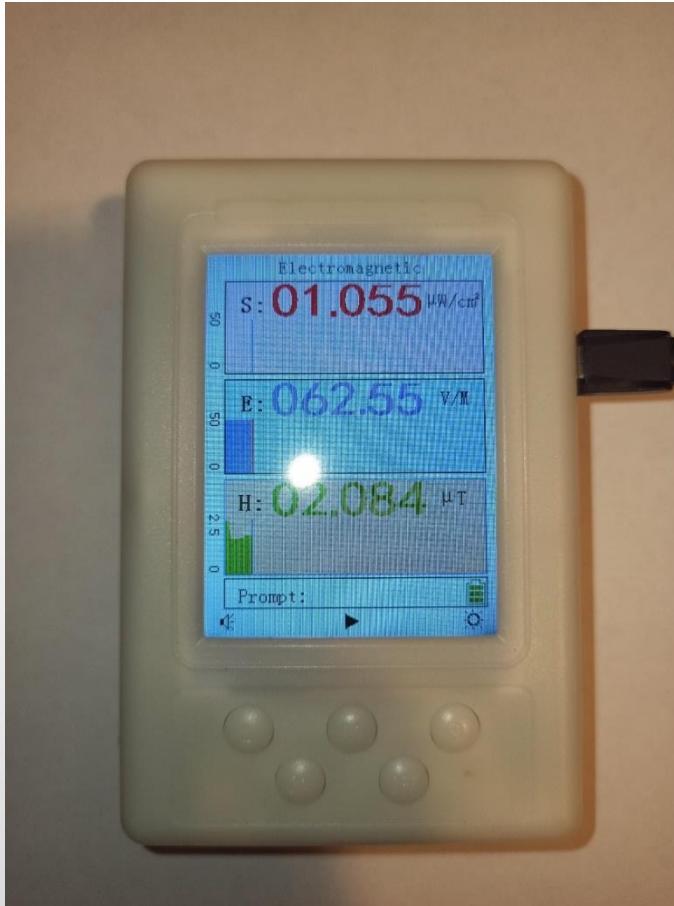


Определение окислительно-восстановительного  
потенциала и температуры в водных объектах.

Measurements of redox potential and temperature in  
water bodies.

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# Портативный измеритель ЭМИ Portable device for measurement of electro- magnetic radiation



**Определение электромагнитного излучения:  
плотности электромагнитного излучения,  
электрического и магнитного излучения.**

**Measurements of electromagnetic radiation: density of  
electromagnetic radiation, electrical and magnetic  
radiation.**



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# Портативный измеритель PM2.5 Portable devise for measurements of PM2.5



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Определение частиц пыли размером 2,5 мкн в  
атмосферном воздухе и закрытых помещениях.

Measurements of dust particles (size - 2.5 microns =  
PM2.5) in atmospheric air and within closed rooms.

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# Портативный измеритель HCHO и TVCO

## Portable device for HCHO and TVCO measurements



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Определение в воздухе паров формальдегида и  
летучих частиц бензола.

Measurements of formaldehyde vapors and volatile  
benzene particles in the air.

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# Портативный анемометр GM816

## Portable anemometer GM816



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Определение скорости ветрового потока в  
полевых условиях.

Measurements of wind velocity in the field.

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# Цифровой микроскоп X1000

## Digital microscope X1000



Изучение микромира с увеличением в 1000 раз с возможностью фото- и видеосъёмки.

Study of the micro-objects with a magnification of 1000 times with the possibility of making photo and video.



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# Цифровой эндоскоп

## Digital endoscope



Изучение микромира в труднодоступных местах с возможностью фото- и видеосъёмки.

Study the objects in hard-to-reach places with the possibility of making photo and video.



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# Термометр щуповой. Спиртометр

## Device for measurements of temperature and alcohol concentrations



Определение температуры в различных объектах щуповым способом. Определение содержания спирта в спиртовых растворах.

Measurements of temperature in various objects by using probe method. Measurements of alcohol concentrations in alcohol solutions.



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# Портативный пиrometer PM6530D

## Portable pyrometer PM6530D



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Бесконтактное определение температуры  
от -55 до 400 С различных объектов окружающей  
среды.

Measurements of temperature without direct  
contact from -55 to 400 C for various environmental  
objects.

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# Портативный хлорометр и pH-метр

## Portable chlorometer and pH-meter



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Определение содержания хлоридов и pH в различных водных средах.

Measurements of chloride content and pH in various aqueous media.

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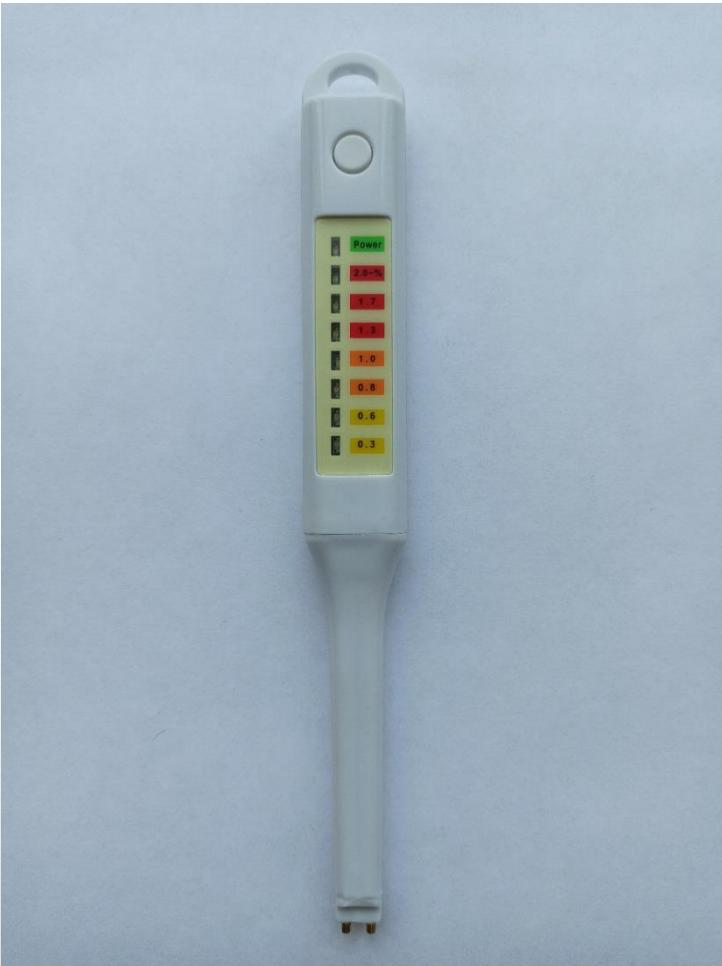
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# Портативный солемер Portable salt meter



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Определение уровня содержания Na в различных средах.

Na concentrations measurements in various media.

# Портативный оптический солемер ATC

## Portable optical salt-meter ATC



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**Определение засоления оптическим  
способом в различных объектах  
окружающей среды.**

**Measurements of salinity by using optical  
method in various environmental objects.**

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# Портативно-лабораторный иономер

## Portable ionomer for laboratory



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**Определение кислотности среды в полевых  
и лабораторных условиях.**

**Measurements of the acidity of the  
environment in the field and in laboratory  
conditions.**

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# Щуповой влагомер, pH-метр, люксометр Moisture-meter, pH-meter, lux-meter



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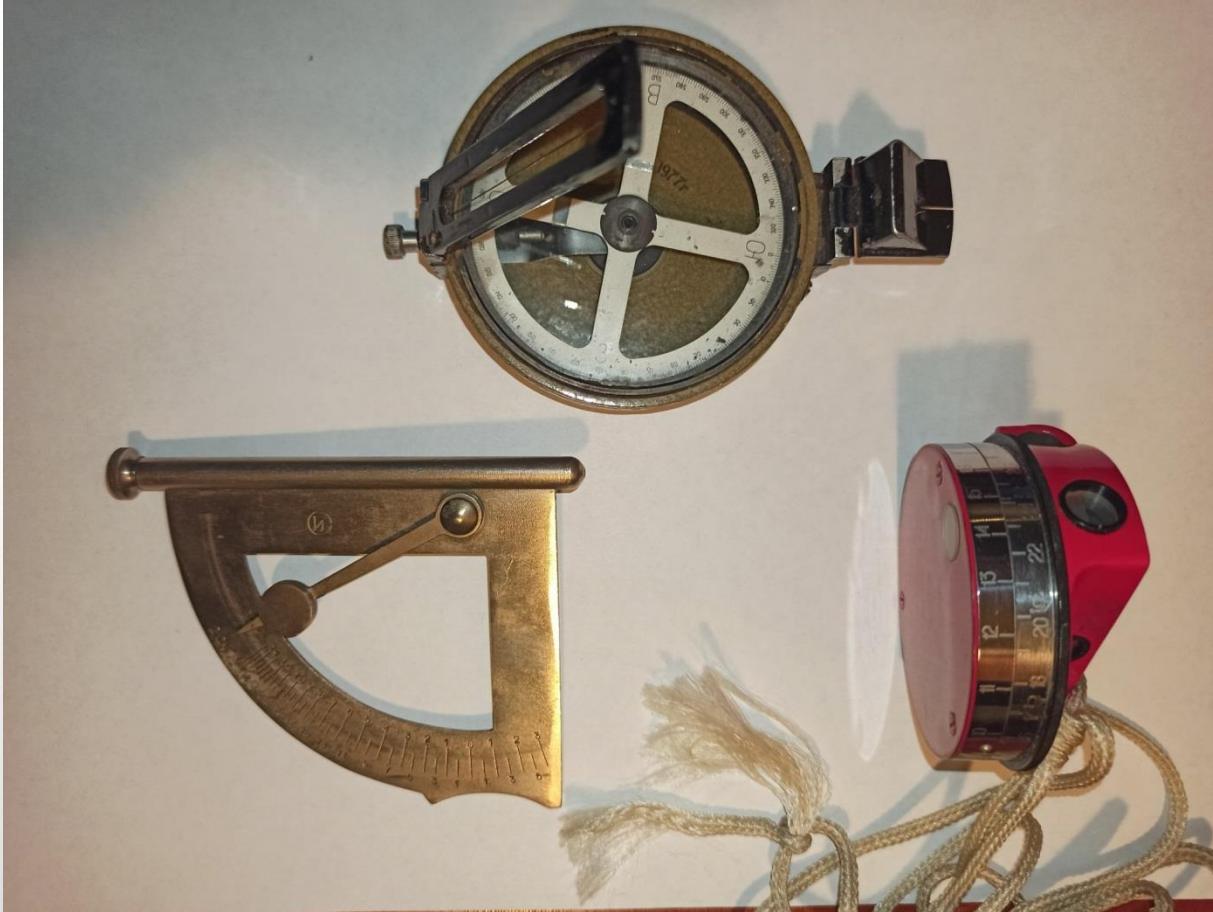


Определение влаги и кислотности почвы; определение освещённости на определённой территории.

Measurements of soil moisture and acidity;  
measurement of illumination in a certain area.

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# Компас профессиональный. Высотомеры Professional compass. Altimeters



Определение точного  
направления и прокладывание  
пути с помощью сторон света.  
Определение высоты  
географических объектов.

Determining the exact direction  
and paving the way using the  
sides of the world.  
Measurements the height of  
geographic objects.



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# Портативный шумомер

## Digital device for measurements of sound level



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Определение звуковых  
колебаний от различных  
объектов создающих  
шумовое загрязнение.

Measurements of sound  
vibrations from various  
objects that create noise  
pollution.

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# Метеостанция DLS 2900

## Meteorological (weather) station DLS 2900



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Профессиональная метеостанция с  
беспроводной передачей информации,  
солнечными батареями, Wi-Fi модулем,  
калибровкой.

Professional meteorological (weather) station with  
wireless transmission of information, solar panels,  
Wi-Fi module, calibration.

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# Бурав Пресслера Pressler's Drill



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Специализированный дендрохронологический инструмент для взятия проб из ствола живого дерева с минимальным вредом для него.

Specialized dendrochronological instrument for taking samples from the trunk of a living tree and making minimal harm to it.

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