

## LEMI-424 MAGNETOTELLURIC STATION



LEMI-424 MT station data logger with electrodes and complete set of field equipment



3-component fluxgate magnetometer of LEMI-424 MT station

### Areas of Application

Exploration of ores and oil deposits.  
Geophysical prospecting

### Specification

#### *Data Logger*

Frequency band, Hz	0–0.5
Electrometer measurement range, mV	±2450
Electrometer resolution, nV	2
Readout rate	1/s
SD card, GB	8
Digital output and control	USB
Power supply, V	5–20
Power consumption, W	<0.5
Weight, kg	2.0

#### *3-component Fluxgate Magnetometer*

Magnetometer measurement range, nT	±65000
Magnetometer frequency band, Hz	0–10
Noise level at 1 Hz, pT/√Hz	≤10
Temperature drift, nT/°C	<0.3
Power consumption, W	<0.5
Weight of the sensor with 20 m cable, kg	~5

### Advantages

There are no analogs manufactured in Ukraine. As compared with the foreign counterparts (for instance, MT station by METRONIX, Germany) LEMI-424 has a higher repeatability and sensitivity and a significantly lower power consumption

### Stage of Development.

#### Suggestions for Commercialization

IRL8, TRL8  
Manufacture, delivery, warranty service, and staff training, upon request

### IPR Protection

IPR1

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