



# IMVP

## 8-CHANNEL INDUCED POLARIZATION RECEIVER



8 INDEPENDENT CHANNELS

HIGH FREQUENCY ADC

MULTIFUNCTIONAL

HIGHLY PORTABLE

**APPLICATION:** 8-Channel multifunctional geophysical receiver IMVP is designed to carry-out surveys by methods of Induced Polarization (IP) in frequency and/or time domain, direct current (impedance) method, frequency sounding method and differential-normed electroprospecting method.

**FEATURES:** Receiver IMVP acquires data with 8 detector lines MN, where the M-electrode of one detector line can be the N-electrode of the other. All lines can be joined in one 8-channel cable or 2 cables in fours. Receiver and data acquisition are controlled via PC. We recommend using a field-type notebook PANASONIC C F -18 or CF-29 series. Connection with PC is performed through the USB-port.

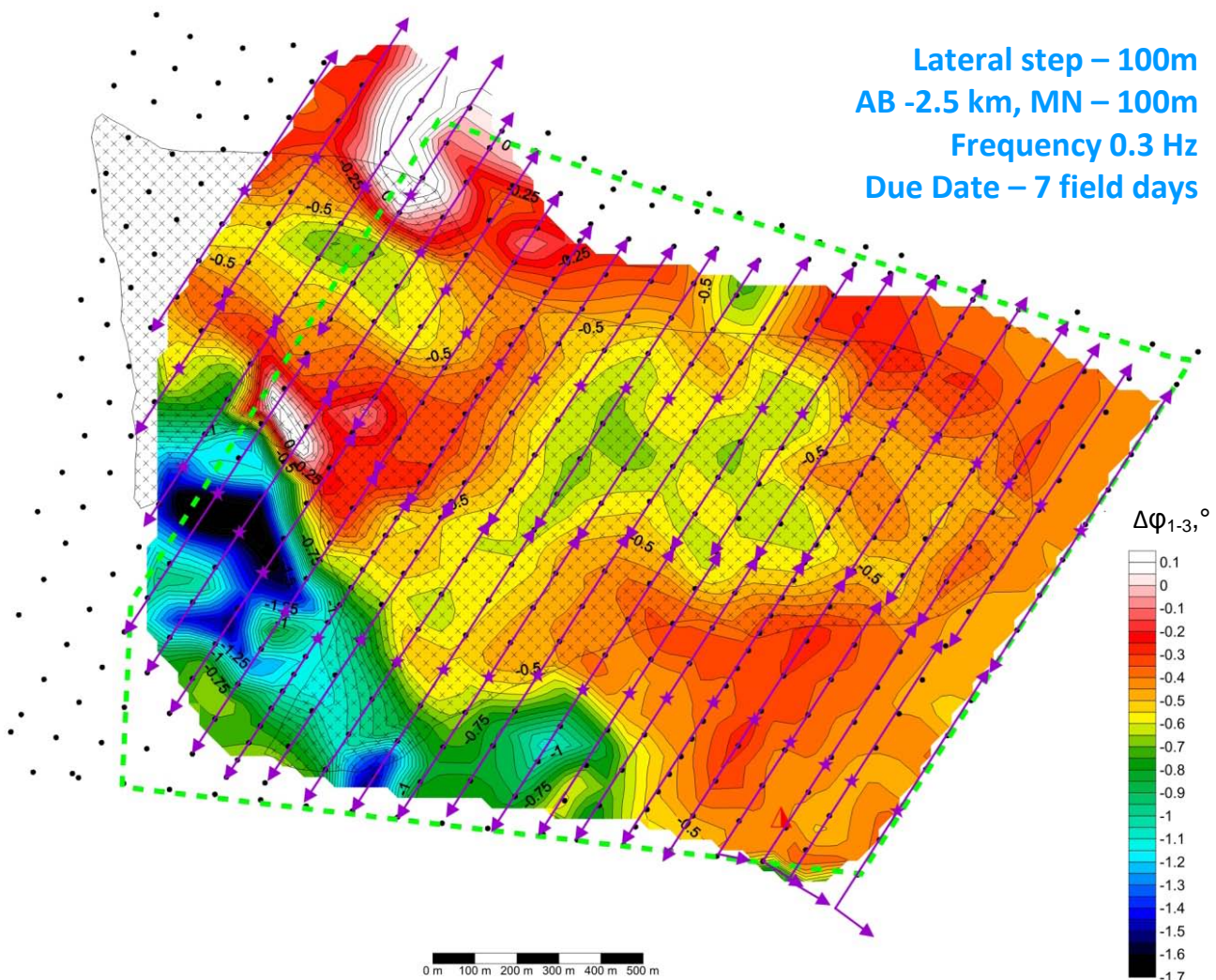
**ADVANTAGES:** Multifunctional receiver IMVP increases productivity, reduces survey costs and expands capabilities of the induced polarization method. It is achieved by 24-bit ADC's on each channel, 2500Hz sampling rate and ability to apply a wide range of algorithms for studying time-frequency response of the induced polarization process. IMVP is compact, lightweight, independent, multichannel and highly accurate. Time-and-frequency response acquired with IMVP receiver using IP method allows to identify different types of rocks and ore minerals.



## SPECIFICATION:

Geophysical methods:	IP (frequency and time domain), Resistivity, FES
Channels:	8
ADC:	24 bit
Sensor Type:	Electric dipoles MN
Input Impedance:	>5 M $\Omega$
Frequency Bandwidth:	from 0.001 to 200 Hz
CPU Sampling rate:	2500Hz
Frequency shift:	$\leq 10^{-5}$ Hz
Frequency drift:	$\leq 5 \cdot 10^{-6}$ Hz
Max. input voltage:	$\pm 2.5$ V
Self-noise:	< 2 $\mu$ V
I/O:	USB 1.1
External power supply:	12.6 V $\pm$ 2 V
Temperature range:	-20 to +60 $^{\circ}$ C
Weight:	350 g
Dimensions:	190 x 150 x 60 mm

### IMVP RECEIVER FIELD APPLICATION DURING SURVEY IN KRASNOYARSK TERRITORY



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