

RADIOTELEMETERING SYSTEM FOR ACOUSTIC EMISSION MONITORING



Areas of Application

The system is to be used for monitoring and diagnosis of long-term operating equipment and high-risk site facilities, identification of their technical condition and detection of damages location by sampling, recording, and processing acoustic emission signals and signal data on working parameters of studied object

Advantages

The portable system is operable in field conditions and hard-to-reach places; its friendly software interface and helpdesk enable to quickly master operation skills; independent power supply makes it possible to operate it in the places where there are no power grids

Specification

Gain, dB	35
Maximum gain of logarithmic amplifier, dB	92
AE signal sampling frequency, MHz	0.5
Number of bits of AE channel	8
Error of measurement of time of AE signal arrival, μ s	4
ASPP data package size, bytes	1024
Time of 4 ASPP data package transfer, s	2
Time interval of AE information sampling from ASPP, s	≤ 2
Time of ASPP uninterrupted operation, hours	12

Stage of Development.

Suggestions for Commercialization

IRL7, TRL8
Manufacture, delivery, warranty service, and staff training, upon request

IPR Protection

IPR2, IPR3

Contact Information

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