



ACADEMICIA
An International
Multidisciplinary
Research Journal
 (Double Blind Refereed & Peer Reviewed Journal)



DOI: 10.5958/2249-7137.2021.01416.6

DEVELOPMENT OF AN INTELLIGENT GAS ANALYZER BASEDON THE IR-SPECTROMETRY METHOD

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ABSTRACT

The paper considers the process of obtaining the measurement result using an intelligent IR gas analyzer. The unclear intelligence of "Adjusters" and "operators" is excluded, which reduces the probability of measurement errors. Making devices smart improves their metrological characteristics and reduces the likelihood of errors during operation. There are various approaches to designing intelligent measuring equipment. One of them is considered on the example of an automatic gas analyzer that uses infrared spectrometry for analysis.

KEYWORDS: *Spectrophotometer, IR Gas Analyzer, Intelligence, Probability, Error, Devices, Procedure, Properties, Beam Splitter, Compensator, Detector, Interferometer*

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