



Accuracy and Reliability of Equipment Used in the Measurement of Medical Devices

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Annotation. This article discusses the possibility of constructing an algorithm for generalizing measurement systems and analysis of medical devices used in the field of medicine into one common system, which is expanded and simplified, automated.

Key words: Medical measuring device, engineers, programmers, general base, measuring devices, medical worker, algorithm, equipment accuracy.

Modern measurement techniques are increasingly developing in all areas of medical Sox to obtain the approximate results online from them, summing up in a single system. The role of information of the analysis result of these medical measuring devices in the development of the medical field is enormous. For this reason, one of the important tasks facing scientists, programmer engineers and working medical personnel is to be a powerful factor that advances it by early identifying the obstacles to the time-intensive system of creating a common base and this path of progress, without lagging behind the path of scientific technical progress. The development of measuring instruments of medical devices can be achieved at the cost of increasing its coverage in all areas and building a complex project of a significantly identical Metrological basis in quality, large-scale implementation of the created Project. This method is used in a simplified automated general system that extends systems for obtaining analyzes in the field of Medicine. The main ones from the methodological support of a wide range of automated design systems for measuring analyzes in medicine are as follows:

- evaluation of information descriptions of medical measuring instruments;
- information Process Modeling of medical analyzes using information operators;
- synthesis of structured circuits using the operator sequence equation of information data transformation;
- The use of alternative methods based on a complex of normal standard indicators of medical analysis. When solving these issues, it is necessary to use artificial consciousness, and for this it will be necessary to eliminate four main obstacles:
 1. Differentiation-checking the laws of comparison and creating algorithms that correspond to them;
 2. The collection of a huge amount of initial knowledge base, which provides a correct understanding of information circulating in information technology, as well as the "social" aspects of differentiation;
 3. As the basis of the knowledge and development process, it is necessary to create tools that ensure the



practical functioning of information systems, that is, first of all, to model their sample in the test case;

In these processes, it is necessary to improve the accuracy and reliability of the equipment used, to produce and expand it on the basis of high-quality materials, to improve the descriptions of electronic equipment products, to increase the reliability and level of accuracy. It follows from this that when solving these issues, it is necessary for us to constantly perfect measurement and control. In this process, we emphasize that the problems of scientific and technical progress should be approached in depth, thoroughly studying all the requirements based on an in-depth analysis. There is no doubt that by solving these problems, by increasing our capabilities, new ones and more complex ones will appear after them. Through the development of equally large-scale information networks in all areas of Medicine in scientific and technical development, it is equal to one of the leading ways to the future development of this field. It is of great importance in accelerating, planning, implementation and coordination of management and perfecting the implementation of advanced achievements of these networks. It has been highlighted several times in the scientific and technical literature and in important government decisions. The source of information may be a medical practitioner who is entering measurement device analysis and documentation into the information network. If it is taken into account that the information coming from the first two sources may contain errors-inaccuracies and mental confusion, then the role of measuring devices in ensuring its effectiveness in information networks becomes huge and clear. Within medical devices, which should be included in the composition of information in the first place, it is necessary to initially list various means of calculating raw materials, materials, energy and other resources. This makes it possible to plan in analysis and in minimal operation of the device. Digitization, increasing the exchange of information, reduces the performance of medical personnel, facilitates computational work and allows automation. The inclusion of Information Systems in the medical-measurement of all enterprises of the medical sphere in the structure of large-scale information networks, the possibility of establishing the possibility of exchanging its data increases dramatically. In this case, one of the conditions for the effectiveness of Information Networks is to bring their information into a standardized form in medical - measuring devices intended for the network, to develop a model that is sufficiently inexpensive, simple, and reliable medical-measuring instruments are adapted to a mass standard. To ensure this condition, scientists, engineers, designers, manufacturers still have a lot of activity.

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