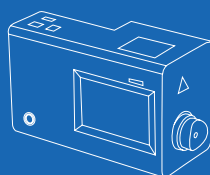
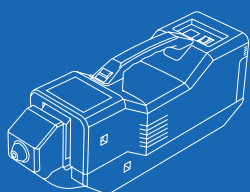


OUR EQUIPMENT **YOUR SAFETY**



TRADES NABEXPORT



IDENTIFIER OF HAZARDOUS CHEMICAL AND BIOLOGICAL AGENTS AND EXPLOSIVES

ChemExpert-T

ChemExpert-T portable Raman spectrometer is a multifunctional analytical device that provides identification of about 15,000 different chemicals in liquid, solid or powdered state, including explosives, chemical and biological threat agents, narcotic drugs, etc.

It is possible to analyze substances through transparent and colored glass, translucent plastic packaging. This allows identification of potentially hazardous objects (biological toxins, poisonous substances) without interacting with the substance, sampling and breaking the packaging.



Identification of biological threat agents



Recognition of explosives (including liquid explosives)



Identification and recognition of hazardous chemical agents



Recognition of narcotic drugs



SCOPE OF APPLICATION:

Inspection of hand luggage, baggage and personal belongings of individuals and other tangible objects:

- at transport infrastructure facilities for the purpose of recognizing and identifying substances for which a ban or restriction on movement into the transport security zone has been established;
- at heavily trafficked facilities (theaters, concert halls, stadiums, educational, medical institutions, etc.);
- at restricted facilities of the defense industry and fuel and energy complex, including nuclear fuel cycle facilities.

TECHNICAL SPECIFICATION:

Overall dimensions (LxWxH)	274x170x125 mm
Weight with a battery	3 kg
Consumed power	15 W
Time of standalone operaiton	up to 8 h
Analysis time	max 40 sec
Operating principle	Raman spectroscopy
Objects for analysis	liquids, powders, solids, including those in transparent packaging
Taking measurements	without contact with substance, e. g. through a sealed transparent container
Identifiable substances	• hazardous chemical agents (toxic, poisonous, chemically active substances, etc.) – at least 98 items; • hazardous biological agents – 20 items; • explosives – 102 items (including 19 items of liquid explosives); • combustible and flammable substances – at least 30 items; • narcotic drugs, psychotropics and their precursors – 537 items; • chemical and pharmaceutical products – more than 10,000 items; • water, soft drinks and alcohol.
Сигнал оповещения о результатах идентификации	• identification results are shown on the display; • communication of information on identification results via wired or wireless communication channel (if there is an established connection).
Computer communication interfaces	Ethernet, USB, Bluetooth, Wi-Fi
Output data format for logging and exchange	XML

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