
Description: This report was created for strategic planners, international executives and import/export managers who are concerned with the market for spectrometers, spectrophotometers, and spectrographs using ultraviolet, visible, or infrared optical radiations. With the globalization of this market, managers can no longer be contented with a local view. Nor can managers be contented with out-of-date statistics that appear several years after the fact. I have developed a methodology, based on macroeconomic and trade models, to estimate the market for spectrometers, spectrophotometers, and spectrographs using ultraviolet, visible, or infrared optical radiations for those countries serving the world market via exports or supplying from various countries via imports. I do so for the current year based on a variety of key historical indicators and econometric models.

On the demand side, exporters and strategic planners approaching the world market face a number of questions. Which countries are supplying spectrometers, spectrophotometers, and spectrographs using ultraviolet, visible, or infrared optical radiations? What is the dollar value of these imports? How much do the imports of spectrometers, spectrophotometers, and spectrographs using ultraviolet, visible, or infrared optical radiations vary from one country to another? Do exporters serving the world market have similar market shares across the importing countries? Which countries supply the most exports of spectrometers, spectrophotometers, and spectrographs using ultraviolet, visible, or infrared optical radiations? Which countries are buying their exports? What is the value of these exports and which countries are the largest buyers?

In what follows, Chapter 2 begins by summarizing the regional markets for imported and exported spectrometers, spectrophotometers, and spectrographs using ultraviolet, visible, or infrared optical radiations. The total level of imports and exports on a worldwide basis, and those for each region, is based on a model which aggregates across over 150 key country markets and projects these to the current year. From there, each country represents a percent of the world market. This market is served from a number of competitive countries of origin. Based on both demand- and supply-side dynamics, market shares by country of origin are then calculated across each country market destination. These shares lead to a volume of import and export values for each country and are aggregated to regional and world totals. In doing so, we are able to obtain maximum likelihood estimates of both the value of each market and the shares that countries are likely to receive this year. From these figures, rankings are calculated to allow managers to prioritize markets. In this way, all the figures provided in this report are forecasts that can be combined with internal information for strategic planning purposes.

After the worldwide summary in Chapter 2 of both imports and exports, Chapter 3 details the exports of spectrometers, spectrophotometers, and spectrographs using ultraviolet, visible, or infrared optical radiations, for each individual country. Chapter 4 does the same, but for imports of spectrometers, spectrophotometers, and spectrographs using ultraviolet, visible, or infrared optical radiations for all countries in the world. In all cases, the total dollar volume and percentage share values by major trading partner are provided. Combined, Chapters 3 and 4 present the complete picture for imports and exports of spectrometers, spectrophotometers, and spectrographs using ultraviolet, visible, or infrared optical radiations to and from all major countries in the world. Of the 150 countries considered, if a country is not reported here it is therefore estimated to have only a negligible level of trade in spectrometers, spectrophotometers, and spectrographs using ultraviolet, visible, or infrared optical radiations (i.e. their market shares are close or equal to zero percent). “Spectrometers, Spectrophotometers, and Spectrographs Using Ultraviolet, Visible, or Infrared Optical Radiations” as a category is defined in this report following the definition given by the United Nations Statistics Division Classification Registry using the Standard International Trade Classification, Revision 3 (SITC, Rev. 3). The SITC code that defined “spectrometers, spectrophotometers, and spectrographs using ultraviolet, visible, or infrared optical radiations” is 87443.

Important Caveat. The figures should be seen as market estimates, as opposed to historical records, as these are forecasted for the current year of trade. More importantly, in light of the fact that unforeseeable factors might interrupt markets in achieving their reported levels, the figures should be seen as estimates of
potential. For example, “mad cow” disease, foot-and-mouth disease, trade embargoes, labor disputes, military conflicts, acts of terrorism and other events will certainly affect the actual trade flows recorded for a variety of industry or product categories. In such cases, the difference between the numbers given in this report and the numbers actually observed might be interpreted as the “net loss” or “net gain” due to these exogenous events affecting regular trade flows that would have occurred had these events not have taken place.

This report was created for the market for spectrometers, spectrophotometers, and spectrographs using ultraviolet, visible, or infrared optical radiations.

The World Market for Automatic Regulating or Controlling Instruments and Apparatus: A 2016 Global Trade Perspective
The World Market for Binoculars: A 2016 Global Trade Perspective
The World Market for Binoculars, Monoculars, Optical Telescopes, Astronomical Instruments, and Mountings Therefor: A 2016 Global Trade Perspective
The World Market for Chromatographs and Electrophoresis Instruments: A 2016 Global Trade Perspective
The World Market for Compasses, Rangefinders, Navigational Instruments, and Surveying, Hydrographic, Oceanographic, or Meteorological Instruments and Appliances: A 2016 Global Trade Perspective
The World Market for Compound Optical Microscopes: A 2016 Global Trade Perspective
The World Market for Dental Drill Engines: A 2016 Global Trade Perspective
The World Market for Drafting Tables, Drafting Machines, and Other Drawing, Marking-Out, or Mathematical Calculating Instruments: A 2016 Global Trade Perspective
The World Market for Electricity Meters: A 2016 Global Trade Perspective
The World Market for Exposure Meters: A 2016 Global Trade Perspective
The World Market for Gas Meters: A 2016 Global Trade Perspective
The World Market for Gas or Smoke Analysis Apparatus: A 2016 Global Trade Perspective
The World Market for Gas, Liquid, or Electricity Supply or Production Meters and Calibrating Meters: A 2016 Global Trade Perspective
The World Market for Instruments and Apparatus for Measuring or Detecting Ionizing Radiations: A 2016 Global Trade Perspective
The World Market for Instruments and Appliances Used in Medical, Surgical, or Veterinary Sciences Excluding Electro-Diagnostic and Radiological Instruments and Apparatus: A 2016 Global Trade Perspective
The World Market for Lasers Excluding Laser Diodes: A 2016 Global Trade Perspective
The World Market for Liquid Meters: A 2016 Global Trade Perspective
The World Market for Mechano-Therapy Appliances and Apparatuses for Massage, Psychological Aptitude-Testing, Ozone Therapy, Oxygen Therapy, Aerosol Therapy, and Artificial Respiration: A 2016 Global Trade Perspective
The World Market for Medical, Dental, Surgical, or Veterinary Furniture, Operating and Examining Tables, Mechanical Hospital Beds, Dentists’ or Similar Chairs, and Parts Thereof: A 2016 Global Trade Perspective
The World Market for Microscopes and Diffraction Apparatus Excluding Optical Microscopes: A 2016 Global Trade Perspective
The World Market for Microtomes and Instruments for Physical or Chemical Analysis and for Measuring or Checking Viscosity, Porosity, or Quantities of Heat, Sound, or Light: A 2016 Global Trade Perspective
The World Market for Oscilloscopes and Spectrum Analyzers for Measuring Electricity Excluding Meters and Instruments for Measuring or Detecting Ionizing Radiations: A 2016 Global Trade Perspective
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The World Market for Parts and Accessories for Microscopes and Diffraction Apparatus Excluding Optical Microscopes: A 2016 Global Trade Perspective
The World Market for Parts and Accessories of Compound Optical Microscopes: A 2016 Global Trade Perspective
The World Market for Parts and Accessories of Gas, Liquid, or Electricity Meters: A 2016 Global Trade Perspective
The World Market for Parts and Accessories of Navigational Instruments and Appliances: A 2016 Global Trade Perspective
The World Market for Parts and Accessories of Revolution and Production Counters, Odometers, Pedometers, Speedometers, Tachometers, and Stroboscopes: A 2016 Global Trade Perspective
The World Market for Pressure Regulators, Controllers, and Monostats: A 2016 Global Trade Perspective
The World Market for Revolution Counters, Production Counters, Taximeters, Odometers, and Pedometers: A 2016 Global Trade Perspective
The World Market for Speedometers, Tachometers, and Stroboscopes: A 2016 Global Trade Perspective
The World Market for Stereoscopic Microscopes: A 2016 Global Trade Perspective
The World Market for Surveying, Hydrographic, Oceanographic, Hydrological, or Meteorological Instruments and Appliances; Rangefinders; and Their Parts and Accessories: A 2016 Global Trade Perspective
The World Market for Syringes, Needles, Catheters, and Cannulae Used in Medical, Surgical, or Veterinary Sciences: A 2016 Global Trade Perspective
The World Market for Telescopic Sights for Fitting to Arms; Periscopes; and Telescopic Parts of Electrical, Optical, Photographic, Television, and Sound Appliances: A 2016 Global Trade Perspective
The World Market for Thermostats: A 2016 Global Trade Perspective

Contents:
1 METHODOLOGY
1.1 Our Approach
2 THE WORLD MARKET
2.1 Exports
2.2 Imports
2.2.1 The World Market: Imported Spectrometers, Spectrophotometers, and Spectrographs Using Ultraviolet, Visible, or Infrared Optical Radiations in 2016
3 EXPORTS
3.1 Africa: Export Supplies of Spectrometers, Spectrophotometers, and Spectrographs Using Ultraviolet, Visible, or Infrared Optical Radiations
3.1.1 Executive Summary
3.1.2 Algeria
3.1.3 Egypt
3.1.4 Nigeria
3.1.5 South Africa
3.1.6 Swaziland
3.2 Asia: Export Supplies of Spectrometers, Spectrophotometers, and Spectrographs Using Ultraviolet, Visible, or Infrared Optical Radiations
3.2.1 Executive Summary
3.2.2 China
3.2.3 Hong Kong
3.2.4 India
3.2.5 Indonesia
3.2.6 Japan
3.2.7 Malaysia
3.2.8 Mongolia
3.2.9 Nepal
3.2.10 Philippines
3.2.11 Singapore
3.2.12 South Korea
3.2.13 Sri Lanka
3.2.14 Taiwan
3.2.15 Thailand
3.2.16 Vietnam
3.3 Europe: Export Supplies of Spectrometers, Spectrophotometers, and Spectrographs Using Ultraviolet,
4 IMPORTS
4.1 Africa: Spectrometers, Spectrophotometers, and Spectrographs Using Ultraviolet, Visible, or Infrared Optical Radiations Imports in 2016
   4.1.1 Executive Summary
   4.1.2 Algeria
   4.1.3 Botswana
   4.1.4 Cameroon
   4.1.5 Cote d'Ivoire
   4.1.6 Egypt
   4.1.7 Ethiopia
   4.1.8 Ghana
   4.1.9 Madagascar
   4.1.10 Mauritania
   4.1.11 Mauritius
   4.1.12 Morocco
   4.1.13 Mozambique
   4.1.14 Namibia
   4.1.15 Niger
   4.1.16 Nigeria
   4.1.17 Rwanda
   4.1.18 Senegal
   4.1.19 South Africa
   4.1.20 Sudan
   4.1.21 Uganda
   4.1.22 Zimbabwe
4.2 Asia: Spectrometers, Spectrophotometers, and Spectrographs Using Ultraviolet, Visible, or Infrared Optical Radiations Imports in 2016
   4.2.1 Executive Summary
   4.2.2 Brunei
   4.2.3 Cambodia
   4.2.4 China
   4.2.5 Hong Kong
   4.2.6 India
   4.2.7 Indonesia
   4.2.8 Japan
   4.2.9 Malaysia
   4.2.10 Papua New Guinea
   4.2.11 Philippines
   4.2.12 Singapore
   4.2.13 South Korea
   4.2.14 Sri Lanka
   4.2.15 Taiwan
   4.2.16 Thailand
   4.2.17 Vietnam
4.3 Europe: Spectrometers, Spectrophotometers, and Spectrographs Using Ultraviolet, Visible, or Infrared Optical Radiations Imports in 2016
   4.3.1 Executive Summary
   4.3.2 Albania
   4.3.3 Austria
   4.3.4 Belarus
   4.3.5 Belgium
   4.3.6 Bosnia and Herzegovina
   4.3.7 Bulgaria
   4.3.8 Croatia
   4.3.9 Cyprus
   4.3.10 Czech Republic
   4.3.11 Denmark
   4.3.12 Estonia
   4.3.13 Finland
   4.3.14 France
   4.3.15 Georgia
   4.3.16 Germany
   4.3.17 Greece
4.3.18 Hungary
4.3.19 Iceland
4.3.20 Ireland
4.3.21 Italy
4.3.22 Kazakhstan
4.3.23 Latvia
4.3.24 Lithuania
4.3.25 Luxembourg
4.3.26 Macedonia
4.3.27 Malta
4.3.28 Moldova
4.3.29 Norway
4.3.30 Poland
4.3.31 Portugal
4.3.32 Romania
4.3.33 Russia
4.3.34 Slovakia
4.3.35 Slovenia
4.3.36 Spain
4.3.37 Sweden
4.3.38 the Netherlands
4.3.39 Ukraine
4.4 Latin America: Spectrometers, Spectrophotometers, and Spectrographs Using Ultraviolet, Visible, or Infrared Optical Radiations Imports in 2016
4.4.1 Executive Summary
4.4.2 Argentina
4.4.3 Bolivia
4.4.4 Brazil
4.4.5 Chile
4.4.6 Colombia
4.4.7 Costa Rica
4.4.8 Ecuador
4.4.9 El Salvador
4.4.10 Guatemala
4.4.11 Honduras
4.4.12 Mexico
4.4.13 Nicaragua
4.4.14 Paraguay
4.4.15 Peru
4.4.16 Uruguay
4.5 North America & the Caribbean: Spectrometers, Spectrophotometers, and Spectrographs Using Ultraviolet, Visible, or Infrared Optical Radiations Imports in 2016
4.5.1 Executive Summary
4.5.2 Barbados
4.5.3 Canada
4.5.4 Dominican Republic
4.5.5 Jamaica
4.5.6 the Bahamas
4.5.7 the United States
4.6 Oceana: Spectrometers, Spectrophotometers, and Spectrographs Using Ultraviolet, Visible, or Infrared Optical Radiations Imports in 2016
4.6.1 Executive Summary
4.6.2 Australia
4.6.3 Fiji
4.6.4 New Caledonia
4.6.5 New Zealand
4.7 the Middle East: Spectrometers, Spectrophotometers, and Spectrographs Using Ultraviolet, Visible, or Infrared Optical Radiations Imports in 2016
4.7.1 Executive Summary
4.7.2 Armenia
4.7.3 Azerbaijan
4.7.4 Israel
4.7.5 Jordan
4.7.6 Kyrgyzstan
4.7.7 Lebanon
4.7.8 Oman
4.7.9 Pakistan
4.7.10 Turkey
4.7.11 Yemen

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