

NA Optical Power Meter Market - Industry Trends and Forecast to 2030

Market Report | 2023-03-01 | 222 pages | Data Bridge Market Research

AVAILABLE LICENSES:

- Single User License \$3500.00
- Corporate Users License \$4200.00

Report description:

North America Optical Power Meter Market is projected to register a CAGR of 6.6% in the forecast period of 2023 to 2030. The new market report contains data for the historic year 2021, the base year of calculation is 2022, and the forecast period is 2023 to 2030.

Market Segmentation:

North America Optical Power Meter Market, By Type (Thermal Detectors and Photodetectors), Instrument/Product Type (Benchtop Meters, Portable Meters, Virtual Meters, Optical Wavelength, Hand-Held Meter and Others), Detector Type (InGaAs (Indium Gallium Arsenide), Germanium, Silicon And Others), Power Range (Low, High, Medium), Wave Length (850NM TO 1650NM and 400NM TO 1100NM), Light Source (LED, Laser), Application (Installation & Maintenance, Testing, Manufacturing, Research & Development and Others), End-User (Telecommunication Industry, Electrical & Electronics Industry, Automotive Industry, Military & Aerospace Industry, Energy & Utility Industry and Others), Country (U.S, Canada, Mexico) Industry Trends And Forecast to 2030.

Some of the major factors contributing to the growth of the North America optical power meter market are:

- o Rising demand for monitoring energy consumption in various industry
- o Increase in demand for calibrated sensors across the region

Market Players

Some of the major players operating in the North America optical power meter market are:

- Thorlabs, Inc.
- Kingfisher International
- GAO Tek & GAO Group Inc.
- VIAVI Solutions Inc.
- Fluke Corporation
- EXFO Inc.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- AFL
- Newport Corporation (A Subsidiary of MKS Instruments)
- Stanlay
- Tech Optics Ltd.
- JOINWIT
- Artifex Engineering GmbH & Co KG.
- HIOKI E.E. CORPORATION
- Edmund Optics Inc.
- BIOPTIC CO., LTD
- ComSonics
- ADC CORPORATION
- Deviser Instruments Incorporated
- PDR World
- Ophir Optronics Solutions Ltd
- Santec Corporation
- Yokogawa Test & Measurement Corporation

Table of Contents:

TABLE OF CONTENTS	
1 INTRODUCTION	47
1.1 OBJECTIVES OF THE STUDY	47
1.2 MARKET DEFINITION	47
1.3 OVERVIEW OF THE NORTH AMERICA OPTICAL POWER METER MARKET	47
1.4 CURRENCY AND PRICING	49
1.5 LIMITATIONS	50
1.6 MARKETS COVERED	50
2 MARKET SEGMENTATION	55
2.1 MARKETS COVERED	55
2.2 GEOGRAPHICAL SCOPE	56
2.3 YEARS CONSIDERED FOR THE STUDY	57
2.4 DBMR TRIPOD DATA VALIDATION MODEL	58
2.5 PRIMARY INTERVIEWS WITH KEY OPINION LEADERS	61
2.6 DBMR MARKET POSITION GRID	62
2.7 VENDOR SHARE ANALYSIS	64
2.8 MULTIVARIATE MODELING	65
2.9 TYPE TIMELINE CURVE	65
2.10 MARKET APPLICATION COVERAGE GRID	66
2.11 SECONDARY SOURCES	67
2.12 ASSUMPTIONS	67
3 EXECUTIVE SUMMARY	68
4 PREMIUM INSIGHTS	71
4.1 PORTERS FIVE FORCES	72
4.2 REGULATORY STANDARDS	73
4.3 TECHNOLOGICAL TRENDS	74
4.4 PATENT ANALYSIS	75
4.5 VALUE CHAIN ANALYSIS	76

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 4.6 COMPANY COMPARATIVE ANALYSIS 78
 - 4.6.1 YOKOGAWA ELECTRIC CORPORATION: 78
 - 4.6.2 VIAVI SOLUTIONS INC.: 78
 - 4.6.3 KEYSIGHT TECHNOLOGIES, INC.: 78
- 4.7 CASE STUDY 79
 - 4.7.1 FAULT CAUSED BY ABNORMAL LIGHT-WAVE EMISSION FROM UNCONTROLLED ONU 79
 - 4.7.2 FATAL DAMAGE TO THE OPTICAL FIBER END SURFACE OF THE CONNECTOR 80
- 5 REGIONAL SUMMARY 81
- 6 MARKET OVERVIEW 83
 - 6.1 DRIVERS 85
 - 6.1.1 INCREASING DEMAND FOR OPTICAL POWER METERS 85
 - 6.1.2 RISE IN REQUISITE OF TRANSMISSION QUALITY EVALUATION 85
 - 6.1.3 GROWING NEED FOR REAL TIME ANALYSIS 86
 - 6.1.4 INCREASE IN DEMAND FOR HIGH BANDWIDTH COMMUNICATION 87
 - 6.1.5 ADVANCED FEATURES PROVIDED BY OPTICAL POWER METERS 88
 - 6.2 RESTRAINTS 89
 - 6.2.1 HIGH MANUFACTURING COST 89
 - 6.2.2 COMPLICATED AND INFLEXIBLE OPERATION OF FIBER OPTIC POWER METERS 89
 - 6.2.3 ISSUES WITH O-E AND E-O CONVERSIONS 90
 - 6.3 OPPORTUNITIES 90
 - 6.3.1 RISING POWER GRID PROBLEMS 90
 - 6.3.2 INCREASING USE OF AUTOMATION 91
 - 6.3.3 NEED FOR TECHNOLOGICAL ADVANCEMENTS 91
 - 6.3.4 GROWING REQUIREMENT FOR LOW ATTENUATION APPLICATIONS 92
 - 6.3.5 INTRODUCTION OF 5G NETWORK 93
 - 6.4 CHALLENGES 94
 - 6.4.1 LACK OF TECHNICAL KNOWLEDGE 94
 - 6.4.2 DIFFICULTY IN MAINTAINING DYNAMIC RANGE 94
- 7 NORTH AMERICA OPTICAL POWER METER MARKET, BY TYPE 95
 - 7.1 OVERVIEW 96
 - 7.2 PHOTO DETECTORS 97
 - 7.3 THERMAL DETECTORS 98
- 8 NORTH AMERICA OPTICAL POWER METER MARKET, BY INSTRUMENT/PRODUCT TYPE 99
 - 8.1 OVERVIEW 100
 - 8.2 HAND-HELD METER 101
 - 8.2.1 MULTI MODE 102
 - 8.2.2 SINGLE MODE 102
 - 8.3 PORTABLE METER 102
 - 8.4 BENCHTOP METER 103
 - 8.5 OPTICAL WAVELENGTH 104
 - 8.6 VIRTUAL METERS 104
 - 8.7 OTHERS 105
- 9 NORTH AMERICA OPTICAL POWER METER MARKET, BY DETECTOR TYPE 106
 - 9.1 OVERVIEW 107
 - 9.2 GERMANIUM 108
 - 9.3 SILICON 109
 - 9.4 INGAAS (INDIUM GALLIUM ARSENIDE) 110

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

9.5 OTHERS	111
10 NORTH AMERICA OPTICAL POWER METER MARKET, BY POWER RANGE	112
10.1 OVERVIEW	113
10.2 MEDIUM	114
10.3 HIGH	115
10.4 LOW	116
11 NORTH AMERICA OPTICAL POWER METER MARKET, BY WAVELENGTH	117
11.1 OVERVIEW	118
11.2 850NM TO 1650NM	119
11.3 400NM TO 1100NM	120
12 NORTH AMERICA OPTICAL POWER METER MARKET, BY LIGHT SOURCE	121
12.1 OVERVIEW	122
12.2 LASER	123
12.3 LED	124
13 NORTH AMERICA OPTICAL POWER METER MARKET, BY APPLICATION	125
13.1 OVERVIEW	126
13.2 TESTING	127
13.3 INSTALLATION & MAINTENANCE	128
13.4 MANUFACTURING	129
13.5 RESEARCH & DEVELOPMENT	129
13.6 OTHERS	130
14 NORTH AMERICA OPTICAL POWER METER MARKET, BY END-USER	131
14.1 OVERVIEW	132
14.2 TELECOMMUNICATION INDUSTRY	133
14.2.1 PHOTON DETECTORS	134
14.2.2 THERMAL DETECTORS	134
14.3 AUTOMOTIVE INDUSTRY	134
14.3.1 PHOTON DETECTORS	135
14.3.2 THERMAL DETECTORS	135
14.4 MILITARY & AEROSPACE INDUSTRY	135
14.4.1 PHOTON DETECTORS	136
14.4.2 THERMAL DETECTORS	136
14.5 ENERGY & UTILITIES INDUSTRY	137
14.5.1 PHOTON DETECTORS	137
14.5.2 THERMAL DETECTORS	138
14.6 ELECTRICAL & ELECTRONICS INDUSTRY	138
14.6.1 PHOTON DETECTORS	139
14.6.2 THERMAL DETECTORS	139
14.7 OTHERS	139
15 NORTH AMERICA OPTICAL POWER METER MARKET, BY REGION	140
15.1 NORTH AMERICA	141
15.1.1 U.S.	149
15.1.2 CANADA	153
15.1.3 MEXICO	157
16 NORTH AMERICA OPTICAL POWER METER MARKET, COMPANY LANDSCAPE	161
16.1 COMPANY SHARE ANALYSIS: NORTH AMERICA	161
17 SWOT ANALYSIS	162

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

18 COMPANY PROFILINGS	163
18.1 KEYSIGHT TECHNOLOGIES	163
18.1.1 COMPANY SNAPSHOT	163
18.1.2 REVENUE ANALYSIS	163
18.1.3 COMPANY SHARE ANALYSIS	164
18.1.4 PRODUCT PORTFOLIO	164
18.1.5 RECENT DEVELOPMENTS	164
18.2 ANRITSU	166
18.2.1 COMPANY SNAPSHOT	166
18.2.2 REVENUE ANALYSIS	166
18.2.3 COMPANY SHARE ANALYSIS	167
18.2.4 PRODUCT PORTFOLIO	167
18.2.5 RECENT DEVELOPMENTS	168
18.3 NEWPORT CORPORATION (A SUBSIDIARY OF MKS INSTRUMENTS)	169
18.3.1 COMPANY SNAPSHOT	169
18.3.2 REVENUE ANALYSIS	169
18.3.3 COMPANY SHARE ANALYSIS	170
18.3.4 PRODUCT PORTFOLIO	170
18.3.5 RECENT DEVELOPMENTS	170
18.4 YOKOGAWA TEST & MEASUREMENT CORPORATION (A SUBSIDIARY OF YOKOGAWA ELECTRIC CORPORATION)	172
18.4.1 COMPANY SNAPSHOT	172
18.4.2 REVENUE ANALYSIS	172
18.4.3 COMPANY SHARE ANALYSIS	173
18.4.4 PRODUCT PORTFOLIO	173
18.4.5 RECENT DEVELOPMENTS	173
18.5 HIOKI E.E. CORPORATION	175
18.5.1 COMPANY SNAPSHOT	175
18.5.2 REVENUE ANALYSIS	175
18.5.3 COMPANY SHARE ANALYSIS	176
18.5.4 PRODUCT PORTFOLIO	176
18.5.5 RECENT DEVELOPMENTS	176
18.6 ADC CORPORATION	178
18.6.1 COMPANY SNAPSHOT	178
18.6.2 PRODUCT PORTFOLIO	178
18.6.3 RECENT DEVELOPMENT	178
18.7 AFL (SUBSIDIARY OF FUJIKURA, LTD.)	179
18.7.1 COMPANY SNAPSHOT	179
18.7.2 REVENUE ANALYSIS	179
18.7.3 PRODUCT PORTFOLIO	180
18.7.4 RECENT DEVELOPMENT	180
18.8 APEX TECHNOLOGIES	181
18.8.1 COMPANY SNAPSHOT	181
18.8.2 PRODUCT PORTFOLIO	181
18.8.3 RECENT DEVELOPMENT	181
18.9 ARTIFEX ENGINEERING GMBH & CO KG.	182
18.9.1 COMPANY SNAPSHOT	182
18.9.2 PRODUCT PORTFOLIO	182

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

18.9.3 RECENT DEVELOPMENTS	182
18.10 BIOPTIC CO., LTD	183
18.10.1 COMPANY SNAPSHOT	183
18.10.2 PRODUCT PORTFOLIO	183
18.10.3 RECENT DEVELOPMENT	183
18.11 COMSONICS	184
18.11.1 COMPANY SNAPSHOT	184
18.11.2 PRODUCT PORTFOLIO	184
18.11.3 RECENT DEVELOPMENTS	185
18.12 DEVISER INSTRUMENTS	186
18.12.1 COMPANY SNAPSHOT	186
18.12.2 PRODUCT PORTFOLIO	186
18.12.3 RECENT DEVELOPMENTS	186
18.13 EDMUND OPTICS INC.	188
18.13.1 COMPANY SNAPSHOT	188
18.13.2 PRODUCT PORTFOLIO	188
18.13.3 RECENT DEVELOPMENTS	188
18.14 EXFO INC.	190
18.14.1 COMPANY SNAPSHOT	190
18.14.2 PRODUCT PORTFOLIO	190
18.14.3 RECENT DEVELOPMENTS	191
18.15 FLUKE CORPORATION	192
18.15.1 COMPANY SNAPSHOT	192
18.15.2 PRODUCT PORTFOLIO	192
18.15.3 RECENT DEVELOPMENTS	193
18.16 GAO TEK & GAO GROUP INC.	194
18.16.1 COMPANY SNAPSHOT	194
18.16.2 PRODUCT PORTFOLIO	194
18.16.3 RECENT DEVELOPMENT	195
18.17 JOINWIT	196
18.17.1 COMPANY SNAPSHOT	196
18.17.2 PRODUCT PORTFOLIO	196
18.17.3 RECENT DEVELOPMENTS	196
18.18 JONARD TOOLS	198
18.18.1 COMPANY SNAPSHOT	198
18.18.2 PRODUCT PORTFOLIO	198
18.18.3 RECENT DEVELOPMENTS	198
18.19 KINGFISHER INTERNATIONAL	200
18.19.1 COMPANY SNAPSHOT	200
18.19.2 PRODUCT PORTFOLIO	200
18.19.3 RECENT DEVELOPMENTS	200
18.20 OPHIR OPTRONICS SOLUTIONS LTD	202
18.20.1 COMPANY SNAPSHOT	202
18.20.2 PRODUCT PORTFOLIO	202
18.20.3 RECENT DEVELOPMENT	202
18.21 OZ OPTICS LTD.	203
18.21.1 COMPANY SNAPSHOT	203

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 18.21.2 PRODUCT PORTFOLIO 203
- 18.21.3 RECENT DEVELOPMENTS 203
- 18.22 PDR WORLD 205
 - 18.22.1 COMPANY SNAPSHOT 205
 - 18.22.2 PRODUCT PORTFOLIO 205
 - 18.22.3 RECENT DEVELOPMENTS 205
- 18.23 SANTEC CORPORATION 207
 - 18.23.1 COMPANY SNAPSHOT 207
 - 18.23.2 REVENUE ANALYSIS 207
 - 18.23.3 PRODUCT PORTFOLIO 208
 - 18.23.4 RECENT DEVELOPMENTS 208
- 18.24 STANLAY 209
 - 18.24.1 COMPANY SNAPSHOT 209
 - 18.24.2 PRODUCT PORTFOLIO 209
 - 18.24.3 RECENT DEVELOPMENT 210
- 18.25 TECH OPTICS LTD. 211
 - 18.25.1 COMPANY SNAPSHOT 211
 - 18.25.2 PRODUCT PORTFOLIO 211
 - 18.25.3 RECENT DEVELOPMENT 212
- 18.26 THORLABS, INC. 213
 - 18.26.1 COMPANY SNAPSHOT 213
 - 18.26.2 PRODUCT PORTFOLIO 213
 - 18.26.3 RECENT DEVELOPMENTS 213
- 18.27 VIAVI SOLUTIONS INC. 215
 - 18.27.1 COMPANY SNAPSHOT 215
 - 18.27.2 REVENUE ANALYSIS 215
 - 18.27.3 PRODUCT PORTFOLIO 216
 - 18.27.4 RECENT DEVELOPMENTS 216
- 19 QUESTIONNAIRE 217
- 20 RELATED REPORTS 222

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

NA Optical Power Meter Market - Industry Trends and Forecast to 2030

Market Report | 2023-03-01 | 222 pages | Data Bridge Market Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scott's-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$3500.00
	Corporate Users License	\$4200.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scott's-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-10"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott's-international.com

www.scott's-international.com