

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

Market Report | 2023-03-01 | 429 pages | Data Bridge Market Research

AVAILABLE LICENSES:

- Single User License \$4800.00
- Corporate Users License \$7000.00

Report description:

Global optical power meter market is projected to register a CAGR of 6.5% 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:

Global 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), Region (North America, South America, Asia-Pacific, Europe, Middle East and Africa) Industry Trends And Forecast to 2030.

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

- o Rising demand for fiber optic meters in the military industry
- o Increase in partnerships and collaboration for power meters across the region

Market Players

Some of the major players operating global 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
- Keysight Technologies
- Anritsu
- 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
- Jonard Tools
- OZ Optics Ltd.
- APEX Technologies
- Ophir Optronics Solutions Ltd
- Santec Corporation
- Yokogawa Test & Measurement Corporation

Table of Contents:

TABLE OF CONTENTS	
1 INTRODUCTION	48
1.1 OBJECTIVES OF THE STUDY	48
1.2 MARKET DEFINITION	48
1.3 OVERVIEW OF THE GLOBAL OPTICAL POWER METER MARKET	48
1.4 CURRENCY AND PRICING	50
1.5 LIMITATIONS	51
1.6 MARKETS COVERED	51
2 MARKET SEGMENTATION	56
2.1 MARKETS COVERED	56
2.2 GEOGRAPHICAL SCOPE	57
2.3 YEARS CONSIDERED FOR THE STUDY	58
2.4 DBMR TRIPOD DATA VALIDATION MODEL	59
2.5 PRIMARY INTERVIEWS WITH KEY OPINION LEADERS	62
2.6 DBMR MARKET POSITION GRID	63
2.7 VENDOR SHARE ANALYSIS	65
2.8 MULTIVARIATE MODELING	66
2.9 TYPE TIMELINE CURVE	66
2.10 MARKET APPLICATION COVERAGE GRID	67
2.11 SECONDARY SOURCES	68
2.12 ASSUMPTIONS	68
3 EXECUTIVE SUMMARY	69
4 PREMIUM INSIGHTS	72

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

4.1	PORTERS FIVE FORCES	75
4.2	REGULATORY STANDARDS	76
4.3	TECHNOLOGICAL TRENDS	77
4.4	PATENT ANALYSIS	78
4.5	VALUE CHAIN ANALYSIS	79
4.6	COMPANY COMPARATIVE ANALYSIS	81
4.6.1	YOKOGAWA ELECTRIC CORPORATION:	81
4.6.2	VIAVI SOLUTIONS INC.:	81
4.6.3	KEYSIGHT TECHNOLOGIES, INC.:	81
4.7	CASE STUDY	82
4.7.1	FAULT CAUSED BY ABNORMAL LIGHT-WAVE EMISSION FROM UNCONTROLLED ONU	82
4.7.2	FATAL DAMAGE TO THE OPTICAL FIBER END SURFACE OF THE CONNECTOR	83
5	REGIONAL SUMMARY	84
6	MARKET OVERVIEW	86
6.1	DRIVERS	88
6.1.1	INCREASING DEMAND FOR OPTICAL POWER METERS	88
6.1.2	RISE IN REQUISITE OF TRANSMISSION QUALITY EVALUATION	88
6.1.3	GROWING NEED FOR REAL TIME ANALYSIS	89
6.1.4	INCREASE IN DEMAND FOR HIGH BANDWIDTH COMMUNICATION	90
6.1.5	ADVANCED FEATURES PROVIDED BY OPTICAL POWER METERS	91
6.2	RESTRAINTS	92
6.2.1	HIGH MANUFACTURING COST	92
6.2.2	COMPLICATED AND INFLEXIBLE OPERATION OF FIBER OPTIC POWER METERS	92
6.2.3	ISSUES WITH O-E AND E-O CONVERSIONS	93
6.3	OPPORTUNITIES	93
6.3.1	RISING POWER GRID PROBLEMS	93
6.3.2	INCREASING USE OF AUTOMATION	94
6.3.3	NEED FOR TECHNOLOGICAL ADVANCEMENTS	94
6.3.4	GROWING REQUIREMENT FOR LOW ATTENUATION APPLICATIONS	95
6.3.5	INTRODUCTION OF 5G NETWORK	96
6.4	CHALLENGES	97
6.4.1	LACK OF TECHNICAL KNOWLEDGE	97
6.4.2	DIFFICULTY IN MAINTAINING DYNAMIC RANGE	97
7	GLOBAL OPTICAL POWER METER MARKET, BY TYPE	98
7.1	OVERVIEW	99
7.2	PHOTO DETECTORS	100
7.3	THERMAL DETECTORS	101
8	GLOBAL OPTICAL POWER METER MARKET, BY INSTRUMENT/PRODUCT TYPE	102
8.1	OVERVIEW	103
8.2	HAND-HELD METER	104
8.2.1	MULTI MODE	105
8.2.2	SINGLE MODE	105
8.3	PORTABLE METER	105
8.4	BENCHTOP METER	106
8.5	OPTICAL WAVELENGTH	107
8.6	VIRTUAL METERS	107
8.7	OTHERS	108

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

9 GLOBAL OPTICAL POWER METER MARKET, BY DETECTOR TYPE	109
9.1 OVERVIEW	110
9.2 GERMANIUM	111
9.3 SILICON	112
9.4 INGAAS (INDIUM GALLIUM ARSENIDE)	113
9.5 OTHERS	114
10 GLOBAL OPTICAL POWER METER MARKET, BY POWER RANGE	115
10.1 OVERVIEW	116
10.2 MEDIUM	117
10.3 HIGH	118
10.4 LOW	119
11 GLOBAL OPTICAL POWER METER MARKET, BY WAVELENGTH	120
11.1 OVERVIEW	121
11.2 850NM TO 1650NM	122
11.3 400NM TO 1100NM	123
12 GLOBAL OPTICAL POWER METER MARKET, BY LIGHT SOURCE	124
12.1 OVERVIEW	125
12.2 LASER	126
12.3 LED	127
13 GLOBAL OPTICAL POWER METER MARKET, BY APPLICATION	128
13.1 OVERVIEW	129
13.2 TESTING	130
13.3 INSTALLATION & MAINTENANCE	131
13.4 MANUFACTURING	132
13.5 RESEARCH & DEVELOPMENT	132
13.6 OTHERS	133
14 GLOBAL OPTICAL POWER METER MARKET, BY END-USER	134
14.1 OVERVIEW	135
14.2 TELECOMMUNICATION INDUSTRY	136
14.2.1 PHOTON DETECTORS	137
14.2.2 THERMAL DETECTORS	137
14.3 AUTOMOTIVE INDUSTRY	137
14.3.1 PHOTON DETECTORS	138
14.3.2 THERMAL DETECTORS	138
14.4 MILITARY & AEROSPACE INDUSTRY	138
14.4.1 PHOTON DETECTORS	139
14.4.2 THERMAL DETECTORS	139
14.5 ENERGY & UTILITIES INDUSTRY	140
14.5.1 PHOTON DETECTORS	140
14.5.2 THERMAL DETECTORS	141
14.6 ELECTRICAL & ELECTRONICS INDUSTRY	141
14.6.1 PHOTON DETECTORS	142
14.6.2 THERMAL DETECTORS	142
14.7 OTHERS	142
15 GLOBAL OPTICAL POWER METER MARKET, BY REGION	143
15.1 OVERVIEW	144
15.2 ASIA-PACIFIC	150

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

15.2.1 CHINA	159
15.2.2 JAPAN	163
15.2.3 SOUTH KOREA	167
15.2.4 AUSTRALIA	171
15.2.5 MALAYSIA	175
15.2.6 NEW ZEALAND	179
15.2.7 SINGAPORE	183
15.2.8 INDIA	187
15.2.9 THAILAND	191
15.2.10 INDONESIA	195
15.2.11 PHILIPPINES	199
15.2.12 TAIWAN	203
15.2.13 VIETNAM	207
15.2.14 REST OF ASIA PACIFIC	211
15.3 NORTH AMERICA	212
15.3.1 U.S.	220
15.3.2 CANADA	224
15.3.3 MEXICO	228
15.4 EUROPE	232
15.4.1 GERMANY	241
15.4.2 U.K.	245
15.4.3 FRANCE	249
15.4.4 SPAIN	253
15.4.5 ITALY	257
15.4.6 TURKEY	261
15.4.7 RUSSIA	265
15.4.8 BELGIUM	269
15.4.9 NETHERLANDS	273
15.4.10 SWITZERLAND	277
15.4.11 DENMARK	281
15.4.12 SWEDEN	285
15.4.13 NORWAY	289
15.4.14 FINLAND	293
15.4.15 POLAND	297
15.4.16 REST OF EUROPE	301
15.5 MIDDLE EAST AND AFRICA	302
15.5.1 U.A.E.	311
15.5.2 SAUDI ARABIA	315
15.5.3 EGYPT	319
15.5.4 ISRAEL	323
15.5.5 SOUTH AFRICA	327
15.5.6 OMAN	331
15.5.7 BAHRAIN	335
15.5.8 KUWAIT	339
15.5.9 QATAR	343
15.5.10 REST OF MIDDLE EAST AND SOUTH AFRICA	347
15.6 SOUTH AMERICA	348

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

15.6.1	BRAZIL	356
15.6.2	ARGENTINA	360
15.6.3	REST OF SOUTH AMERICA	364
16	GLOBAL OPTICAL POWER METER MARKET, COMPANY LANDSCAPE	365
16.1	COMPANY SHARE ANALYSIS: GLOBAL	365
16.2	COMPANY SHARE ANALYSIS: NORTH AMERICA	366
16.3	COMPANY SHARE ANALYSIS: EUROPE	367
16.4	COMPANY SHARE ANALYSIS: ASIA-PACIFIC	368
17	SWOT ANALYSIS	369
18	COMPANY PROFILINGS	370
18.1	KEYSIGHT TECHNOLOGIES	370
18.1.1	COMPANY SNAPSHOT	370
18.1.2	REVENUE ANALYSIS	370
18.1.3	COMPANY SHARE ANALYSIS	371
18.1.4	PRODUCT PORTFOLIO	371
18.1.5	RECENT DEVELOPMENTS	371
18.2	ANRITSU	373
18.2.1	COMPANY SNAPSHOT	373
18.2.2	REVENUE ANALYSIS	373
18.2.3	COMPANY SHARE ANALYSIS	374
18.2.4	PRODUCT PORTFOLIO	374
18.2.5	RECENT DEVELOPMENTS	375
18.3	NEWPORT CORPORATION (A SUBSIDIARY OF MKS INSTRUMENTS)	376
18.3.1	COMPANY SNAPSHOT	376
18.3.2	REVENUE ANALYSIS	376
18.3.3	COMPANY SHARE ANALYSIS	377
18.3.4	PRODUCT PORTFOLIO	377
18.3.5	RECENT DEVELOPMENTS	377
18.4	YOKOGAWA TEST & MEASUREMENT CORPORATION (A SUBSIDIARY OF YOKOGAWA ELECTRIC CORPORATION)	379
18.4.1	COMPANY SNAPSHOT	379
18.4.2	REVENUE ANALYSIS	379
18.4.3	COMPANY SHARE ANALYSIS	380
18.4.4	PRODUCT PORTFOLIO	380
18.4.5	RECENT DEVELOPMENTS	380
18.5	HIOKI E.E. CORPORATION	382
18.5.1	COMPANY SNAPSHOT	382
18.5.2	REVENUE ANALYSIS	382
18.5.3	COMPANY SHARE ANALYSIS	383
18.5.4	PRODUCT PORTFOLIO	383
18.5.5	RECENT DEVELOPMENTS	383
18.6	ADC CORPORATION	385
18.6.1	COMPANY SNAPSHOT	385
18.6.2	PRODUCT PORTFOLIO	385
18.6.3	RECENT DEVELOPMENT	385
18.7	AFL (SUBSIDIARY OF FUJIKURA, LTD.)	386
18.7.1	COMPANY SNAPSHOT	386
18.7.2	REVENUE ANALYSIS	386

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

18.7.3	PRODUCT PORTFOLIO	387
18.7.4	RECENT DEVELOPMENT	387
18.8	APEX TECHNOLOGIES	388
18.8.1	COMPANY SNAPSHOT	388
18.8.2	PRODUCT PORTFOLIO	388
18.8.3	RECENT DEVELOPMENT	388
18.9	ARTIFEX ENGINEERING GMBH & CO KG.	389
18.9.1	COMPANY SNAPSHOT	389
18.9.2	PRODUCT PORTFOLIO	389
18.9.3	RECENT DEVELOPMENTS	389
18.10	BIOPTIC CO., LTD	390
18.10.1	COMPANY SNAPSHOT	390
18.10.2	PRODUCT PORTFOLIO	390
18.10.3	RECENT DEVELOPMENT	390
18.11	COMSONICS	391
18.11.1	COMPANY SNAPSHOT	391
18.11.2	PRODUCT PORTFOLIO	391
18.11.3	RECENT DEVELOPMENTS	392
18.12	DEVISER INSTRUMENTS	393
18.12.1	COMPANY SNAPSHOT	393
18.12.2	PRODUCT PORTFOLIO	393
18.12.3	RECENT DEVELOPMENTS	393
18.13	EDMUND OPTICS INC.	395
18.13.1	COMPANY SNAPSHOT	395
18.13.2	PRODUCT PORTFOLIO	395
18.13.3	RECENT DEVELOPMENTS	395
18.14	EXFO INC.	397
18.14.1	COMPANY SNAPSHOT	397
18.14.2	PRODUCT PORTFOLIO	397
18.14.3	RECENT DEVELOPMENTS	398
18.15	FLUKE CORPORATION	399
18.15.1	COMPANY SNAPSHOT	399
18.15.2	PRODUCT PORTFOLIO	399
18.15.3	RECENT DEVELOPMENTS	400
18.16	GAO TEK & GAO GROUP INC.	401
18.16.1	COMPANY SNAPSHOT	401
18.16.2	PRODUCT PORTFOLIO	401
18.16.3	RECENT DEVELOPMENT	402
18.17	JOINWIT	403
18.17.1	COMPANY SNAPSHOT	403
18.17.2	PRODUCT PORTFOLIO	403
18.17.3	RECENT DEVELOPMENTS	403

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

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

Market Report | 2023-03-01 | 429 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@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4800.00
	Corporate Users License	\$7000.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-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@scotts-international.com

www.scotts-international.com