

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

Market Report | 2023-03-01 | 264 pages | Data Bridge Market Research

AVAILABLE LICENSES:

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

Report description:

Asia-Pacific Optical Power Meter Market, is projected to register a CAGR of 6.9% 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:

Asia-Pacific 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 & Utilities Industry And Others), Country (China, Japan, South Korea, Australia, Malaysia, New Zealand, Singapore, India, Thailand, Indonesia, Philippines, Taiwan, Vietnam and Rest of Asia Pacific) Industry Trends And Forecast to 2030. Some of the major factors contributing to the growth of the Asia-Pacific optical power meter market are:

- o Rising demand for higher capacity power demand in the aerospace industry
- o Increase in demand for calibrated sensors across the region

Market Players

Some of the major players operating in Asia-Pacific optical power meter market are:

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

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- EXFO Inc.
- 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 ASIA PACIFIC 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

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

4.5 VALUE CHAIN ANALYSIS	76
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 ASIA PACIFIC OPTICAL POWER METER MARKET, BY TYPE	95
7.1 OVERVIEW	96
7.2 PHOTO DETECTORS	97
7.3 THERMAL DETECTORS	98
8 ASIA PACIFIC 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 ASIA PACIFIC OPTICAL POWER METER MARKET, BY DETECTOR TYPE	106
9.1 OVERVIEW	107
9.2 GERMANIUM	108
9.3 SILICON	109

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

9.4 INGAAS (INDIUM GALLIUM ARSENIDE)	110
9.5 OTHERS	111
10 ASIA PACIFIC 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 ASIA PACIFIC OPTICAL POWER METER MARKET, BY WAVELENGTH	117
11.1 OVERVIEW	118
11.2 850NM TO 1650NM	119
11.3 400NM TO 1100NM	120
12 ASIA PACIFIC OPTICAL POWER METER MARKET, BY LIGHT SOURCE	121
12.1 OVERVIEW	122
12.2 LASER	123
12.3 LED	124
13 ASIA PACIFIC 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 ASIA PACIFIC 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 ASIA PACIFIC OPTICAL POWER METER MARKET, BY REGION	140
15.1 ASIA-PACIFIC	141
15.1.1 CHINA	150
15.1.2 JAPAN	154
15.1.3 SOUTH KOREA	158
15.1.4 AUSTRALIA	162
15.1.5 MALAYSIA	166

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

15.1.6	NEW ZEALAND	170
15.1.7	SINGAPORE	174
15.1.8	INDIA	178
15.1.9	THAILAND	182
15.1.10	INDONESIA	186
15.1.11	PHILIPPINES	190
15.1.12	TAIWAN	194
15.1.13	VIETNAM	198
15.1.14	REST OF ASIA PACIFIC	202
16	ASIA PACIFIC OPTICAL POWER METER MARKET, COMPANY LANDSCAPE	203
16.1	COMPANY SHARE ANALYSIS: ASIA PACIFIC	203
17	SWOT ANALYSIS	204
18	COMPANY PROFILINGS	205
18.1	KEYSIGHT TECHNOLOGIES	205
18.1.1	COMPANY SNAPSHOT	205
18.1.2	REVENUE ANALYSIS	205
18.1.3	COMPANY SHARE ANALYSIS	206
18.1.4	PRODUCT PORTFOLIO	206
18.1.5	RECENT DEVELOPMENTS	206
18.2	ANRITSU	208
18.2.1	COMPANY SNAPSHOT	208
18.2.2	REVENUE ANALYSIS	208
18.2.3	COMPANY SHARE ANALYSIS	209
18.2.4	PRODUCT PORTFOLIO	209
18.2.5	RECENT DEVELOPMENTS	210
18.3	NEWPORT CORPORATION (A SUBSIDIARY OF MKS INSTRUMENTS)	211
18.3.1	COMPANY SNAPSHOT	211
18.3.2	REVENUE ANALYSIS	211
18.3.3	COMPANY SHARE ANALYSIS	212
18.3.4	PRODUCT PORTFOLIO	212
18.3.5	RECENT DEVELOPMENTS	212
18.4	YOKOGAWA TEST & MEASUREMENT CORPORATION (A SUBSIDIARY OF YOKOGAWA ELECTRIC CORPORATION)	214
18.4.1	COMPANY SNAPSHOT	214
18.4.2	REVENUE ANALYSIS	214
18.4.3	COMPANY SHARE ANALYSIS	215
18.4.4	PRODUCT PORTFOLIO	215
18.4.5	RECENT DEVELOPMENTS	215
18.5	HIOKI E.E. CORPORATION	217
18.5.1	COMPANY SNAPSHOT	217
18.5.2	REVENUE ANALYSIS	217
18.5.3	COMPANY SHARE ANALYSIS	218
18.5.4	PRODUCT PORTFOLIO	218
18.5.5	RECENT DEVELOPMENTS	218
18.6	ADC CORPORATION	220
18.6.1	COMPANY SNAPSHOT	220
18.6.2	PRODUCT PORTFOLIO	220
18.6.3	RECENT DEVELOPMENT	220

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

18.7 AFL (SUBSIDIARY OF FUJIKURA, LTD.)	221
18.7.1 COMPANY SNAPSHOT	221
18.7.2 REVENUE ANALYSIS	221
18.7.3 PRODUCT PORTFOLIO	222
18.7.4 RECENT DEVELOPMENT	222
18.8 APEX TECHNOLOGIES	223
18.8.1 COMPANY SNAPSHOT	223
18.8.2 PRODUCT PORTFOLIO	223
18.8.3 RECENT DEVELOPMENT	223
18.9 ARTIFEX ENGINEERING GMBH & CO KG.	224
18.9.1 COMPANY SNAPSHOT	224
18.9.2 PRODUCT PORTFOLIO	224
18.9.3 RECENT DEVELOPMENTS	224
18.10 BIOPTIC CO., LTD	225
18.10.1 COMPANY SNAPSHOT	225
18.10.2 PRODUCT PORTFOLIO	225
18.10.3 RECENT DEVELOPMENT	225
18.11 COMSONICS	226
18.11.1 COMPANY SNAPSHOT	226
18.11.2 PRODUCT PORTFOLIO	226
18.11.3 RECENT DEVELOPMENTS	227
18.12 DEVISER INSTRUMENTS	228
18.12.1 COMPANY SNAPSHOT	228
18.12.2 PRODUCT PORTFOLIO	228
18.12.3 RECENT DEVELOPMENTS	228
18.13 EDMUND OPTICS INC.	230
18.13.1 COMPANY SNAPSHOT	230
18.13.2 PRODUCT PORTFOLIO	230
18.13.3 RECENT DEVELOPMENTS	230
18.14 EXFO INC.	232
18.14.1 COMPANY SNAPSHOT	232
18.14.2 PRODUCT PORTFOLIO	232
18.14.3 RECENT DEVELOPMENTS	233
18.15 FLUKE CORPORATION	234
18.15.1 COMPANY SNAPSHOT	234
18.15.2 PRODUCT PORTFOLIO	234
18.15.3 RECENT DEVELOPMENTS	235
18.16 GAO TEK & GAO GROUP INC.	236
18.16.1 COMPANY SNAPSHOT	236
18.16.2 PRODUCT PORTFOLIO	236
18.16.3 RECENT DEVELOPMENT	237
18.17 JOINWIT	238
18.17.1 COMPANY SNAPSHOT	238
18.17.2 PRODUCT PORTFOLIO	238
18.17.3 RECENT DEVELOPMENTS	238
18.18 JONARD TOOLS	240
18.18.1 COMPANY SNAPSHOT	240

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

18.18.2 PRODUCT PORTFOLIO 240
18.18.3 RECENT DEVELOPMENTS 240
18.19 KINGFISHER INTERNATIONAL 242
18.19.1 COMPANY SNAPSHOT 242
18.19.2 PRODUCT PORTFOLIO 242
18.19.3 RECENT DEVELOPMENTS 242
18.20 OPHIR OPTRONICS SOLUTIONS LTD 244
18.20.1 COMPANY SNAPSHOT 244
18.20.2 PRODUCT PORTFOLIO 244
18.20.3 RECENT DEVELOPMENT 244
18.21 OZ OPTICS LTD. 245
18.21.1 COMPANY SNAPSHOT 245
18.21.2 PRODUCT PORTFOLIO 245
18.21.3 RECENT DEVELOPMENTS 245
18.22 PDR WORLD 247
18.22.1 COMPANY SNAPSHOT 247
18.22.2 PRODUCT PORTFOLIO 247
18.22.3 RECENT DEVELOPMENTS 247
18.23 SANTEC CORPORATION 249
18.23.1 COMPANY SNAPSHOT 249
18.23.2 REVENUE ANALYSIS 249
18.23.3 PRODUCT PORTFOLIO 250
18.23.4 RECENT DEVELOPMENTS 250
18.24 STANLAY 251
18.24.1 COMPANY SNAPSHOT 251
18.24.2 PRODUCT PORTFOLIO 251
18.24.3 RECENT DEVELOPMENT 252
18.25 TECH OPTICS LTD. 253
18.25.1 COMPANY SNAPSHOT 253
18.25.2 PRODUCT PORTFOLIO 253
18.25.3 RECENT DEVELOPMENT 254
18.26 THORLABS, INC. 255
18.26.1 COMPANY SNAPSHOT 255
18.26.2 PRODUCT PORTFOLIO 255
18.26.3 RECENT DEVELOPMENTS 255

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

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

Market Report | 2023-03-01 | 264 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@scottss-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@scottss-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@scottss-international.com

www.scottss-international.com