IMM PHOTONICS – OPTOELECTRONIC COMPONENTS

engineered for your success

FIBERPOINT® ET / ET G

FIBERPOINT® 250 / 250HP / 250MD
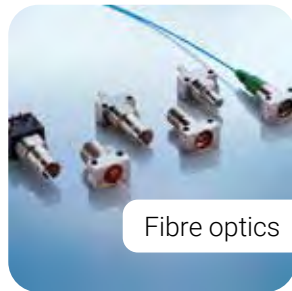
FIBERPOINT® adapter

FIBERPOINT® packaging

imm photonics

OUR PRODUCT GROUPS

Lasers

Fibre optics

UV & UVC

Optics

MAXIMUM PRECISION –
FROM STANDARD TO INDIVIDUALLY DEVELOPED PRODUCTS

IMM Photonics produces innovative optical and optoelectronic components and modules for a diverse range of technological fields – from measuring technology and analytics, biophotonics and medical devices to optical data transfer and security engineering.

What makes our portfolio special: Our **standard products** in laser technology, fibre optics, UV & UVC and optics can be refined on request and tailored to the customer's specific needs. We also produce complete **individual solutions** to meet our customers' budgets and deadlines as well as the high quality standards they demand. Both types of product can be easily integrated into existing customer systems.

IMM PHOTONICS –
EXPERTISE SINCE 1992

With our well established presence on the market, for more than 30 years we at IMM Photonics have provided trust-based and successful support to customers from a range of technological fields with the production of innovative components and modules. Our standard optical and optoelectronic products are produced in-house at our two German business locations and by selected partner manufacturers – for truly high-tech products made in Germany.

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FIBERPOINT® **ET / ET G**

The compact design of the **FIBERPOINT® ET** fibre optic cable tester is ideal for everyday use for all fibre optic applications, such as in the field, in industrial settings and in the laboratory. In addition to the version powered by standard AAA batteries, the tester is also available in a version that can be powered by single-use or rechargeable batteries.

The **FIBERPOINT® ET G** fibre fault locator with green laser light is designed for localising fibre breaks, identifying fibres in multi-channel cables and multi-patching. Fibre breaks in fibre optic cables with blue protective sheaths can be localised more accurately because the green laser light at the break site is easier to identify. The output rating is < 1 mW. However, it is up to ten times more visible than the version in the red wavelength range. It can be powered by rechargeable batteries instead of single-use batteries.

FIBERPOINT® ET   `For resellers only`

Parameter	Min.	Typ.	Max.
Wavelength	650 nm	658 nm	665 nm
Operation temperature	- 10 °C		45 °C
Storage temperature	- 40 °C		70 °C
Fiber coupled power: Singlemode fiber 9/125 μm Multimode fiber 50/125μm	200 μW 200 μW	300 μW 300 μW	390 μW 390 μW
Optical output power			< 400 μW
Retention force for ferrule		1 - 2 N	

FIBERPOINT® ET G

Parameter	Min.	Typ.	Max.
Wavelength	510 nm	520 nm	530 nm
Operation temperature	- 10 °C		45 °C
Storage temperature	- 40 °C		70 °C
Fiber coupled power: Singlemode fiber 9/125 μm Multimode fiber 50/125μm	200 μW 200 μW	300 μW 300 μW	390 μW 390 μW
Optical output power			< 400 μW
Retention force for ferrule		1 - 2 N	

FIBERPOINT® ET / FIBERPOINT® ET G

	FIBERPOINT® ET (for resellers)		FIBERPOINT® ET G
Art. No.	1400000106 / 1400000107	1400000108 / 1400000109	1400000103 / 1400000103Q
Weight incl. batteries		56 g	
Operation time - one battery pack[1] (Pulsed mode)	40 hours	18 hours	8 hours
Battery type	AAA	AAA batteries / AAA rechargeable batteries	AAA batteries / AAA rechargeable batteries
Operation mode		continuous wave; pulsed mode: frequency 2 - 3 Hz	
Laser protection class		1	
Suitable ferrule 2.5 mm		DIN, E2000, FC, SC, ST	

APPLICATIONS

- To check singlemode/multimode optical fibers and other fiber optic components on faults
- Patching of fibers
- Continuity check up to:
  ~ 5.5 km (FIBERPOINT® ET)
  ~ 3 km (FIBERPOINT® ET G)

FEATURES

- Diameter: 12 mm
- Length: 156,5 mm
- Universal port: 2.5 mm
- Private labelling is available at no extra cost
- Minimum order quantity applies

Universal port

INCLUDED IN DELIVERY

- Dust cap
- One battery pack (*[1] Battery: VARTA Industrial Alkaline No. 4003; 1.5 V; AAA)
- Instruction manual

ACCESSORIES (NOT INCLUDED)

Adapters for 1.25 mm ferrules (Art. No. 1400000070),
POF (Art. No. 14000000078) and SMA (Art. No. 1400000088) are available

ORDER NUMBER

Individually packed in etui style plastic packaging:
• FIBERPOINT® ET / Art. No. 1400000106
• FIBERPOINT® ET / Art. No. 1400000108
• FIBERPOINT® ET G / Art. No. 1400000103

Individually packed in Quadrosafe:
• FIBERPOINT® ET / Art. No. 1400000107
• FIBERPOINT® ET / Art. No. 1400000109
• FIBERPOINT® ET G / Art. No. 1400000103Q

NOTES

Do not use rechargeable batteries for Art. No. 1400000106 / 1400000107.
Compliant with RoHS-requirements (2011/65/EU from June 8, 2011).
The above product specifications are subject to change without notice.

FIBERPOINT® 250 / 250HP / 250MD

The robust design of the **FIBERPOINT® 250** is particularly suited to facilitating work in the field, but is also suitable for everyday use in all fibre optic applications, such as industrial environments and laboratories. With an optical output rating of < 1 mW, the fibre fault locator is the low-power version of the 250 fibre fault locator series, which can be used in pulsed mode and in continuous light mode. The rubberised case makes the fibre optic cable tester shock-resistant, the attached dust protection cap makes it completely splash-proof and it has a convenient metal bracket.

The **FIBERPOINT® 250 HP** with an optical output rating of < 3 mW, the fault locator is the high-power version of the 250 fibre fault locator series, which can be used in pulsed mode and in continuous light mode. The attached dust protection cap makes the fibre optic cable tester completely splash-proof, the rubberised case makes it shock-resistant and it has a convenient metal bracket.

The **FIBERPOINT® 250 MD** is a fibre fault locator for locating breaks and faults in optical fibres and fibre optic components, continuity testing and identifying stressed sections of fibre in the field, in industrial environments and in the laboratory, for example.

FIBERPOINT® 250 / FIBERPOINT® 250MD

Parameter	Min.	Typ.	Max.
Wavelength		635 nm	
Operation temperature	- 10 °C		45 °C
Storage temperature	- 40 °C		70 °C
Fiber coupled power: **Singlemode fiber 9/125 μm** **Multimode fiber 50/125μm**	500 μW 500 μW	700 μW 800 μW	
Optical output power			< 1 mW
Operation current		40 mA	
Retention force for ferrule		1 - 2 N	

FIBERPOINT® 250HP

Parameter	Min.	Typ.	Max.
Wavelength	630 nm	638 nm	642 nm
Operation temperature	- 10 °C		45 °C
Storage temperature	- 40 °C		70 °C
Fiber coupled power: **Singlemode fiber 9/125 μm** **Multimode fiber 50/125μm**		1700 μW 2000 μW	
Optical output power			< 3 mW
Operation current		40 mA	
Retention force for ferrule		1 - 2 N	

FIBERPOINT® 250 / FIBERPOINT® 250HP / FIBERPOINT® 250MD

	FIBERPOINT® 250	FIBERPOINT® 250HP	FIBERPOINT® 250MD
Art. No.	1400000101 / 1400000104	1400000102 / 1400000105	1400000030Q / 1400000030
Weight incl. batteries	163 g		60 g
Operation time - one battery pack[1] (Pulsed mode)	40 hours		
Battery type	AAA		
Operation mode	**continuous wave;** pulsed mode: frequency 2 - 3 Hz		
Laser protection class	2		
Suitable ferrule 2.5 mm	DIN, FC, SC, ST, E2000		

APPLICATIONS

- To check singlemode/multimode optical fibers and other fiber optic components on faults
- Patching of fibers
- Continuity check up to:
  ~ 6 km (FIBERPOINT® 250 / FIBERPOINT® 250MD)
  ~ 6.5 km (FIBERPOINT® 250HP)

FEATURES FOR FIBERPOINT® 250MD

- Diameter: 12 mm
- Length: 167 mm
- Universal port: 2.5 mm

Universal port

INCLUDED IN DELIVERY

- Dust cap
- One battery pack (*[1] Battery: VARTA Industrial Alkaline No. 4003; 1.5 V; AAA)
- Instruction manual

NOTES

Do not use rechargeable batteries for Art. No. 1400000102 / 1400000105 / 1400000030 / 1400000030Q.
Compliant with RoHS-requirements (2011/65/EU from June 8, 2011).
The above product specifications are subject to change without notice.

ACCESSORIES (NOT INCLUDED)

Adapters for 1.25 mm ferrules (Art. No. 1400000070),
POF (Art. No. 14000000078) and SMA (Art. No. 1400000088) are available

ORDER NUMBER

Individually packed in etui style plastic packaging:
- FIBERPOINT® 250 / Art. No. 1400000104
- FIBERPOINT® 250HP / Art. No. 1400000105
- FIBERPOINT® 250MD / Art. No. 1400000030

Individually packed in Quadrosafe:
- FIBERPOINT® 250 / Art. No. 1400000101
- FIBERPOINT® 250HP / Art. No. 1400000102
- FIBERPOINT® 250MD / Art. No. 1400000030Q

NOTES

Do not use rechargeable batteries for Art. No. 1400000102 / 1400000105 /
1400000030Q / 1400000030.

Compliant with RoHS-requirements (2011/65/EU from June 8, 2011).
The above product specificati-ons are subject to change without notice.

FIBERPOINT® **adapter**

2.50 to 1.25, POF, SMA adapters

The FIBERPOINT® range of fibre fault locators are available with a 2.5 mm universal connector as standard. We offer adapters for 1.25 mm connectors, SMA connectors and POF bare fibres. These allow you to test most common fibre connector types with just one fibre fault locator.

Art. No.	Adapter 2.50 mm to 1.25 mm 1400000070	Adapter for POF (polymer optical fiber) 1400000078	Adapter for SMA 1400000088
Side of the FIBERPOINT®		2.50 mm SM-ferrule	
Side of the fiber	1.25 mm connection for LC, MU, F3000 etc.	1.5 mm and 2.2 mm	SMA 905 connector
Attenuation		typ. < 1.0 dB	
Weight	10 g	8.5 g	3.5 g

APPLICATIONS

Adapter 2.50 mm to 1.25 mm

Adapts 2.50 mm FIBERPOINT® connection to a 1.25 mm connection. Consequently you can check most of the popular fiber connector type with just one fiber optic fault locator.

Adapter for POF

Adapts 2.50 mm FIBERPOINT® connection to a 1.5 mm and 2.2 mm outer diameter polymer optical fiber connection. Consequently you can check both of the popular fiber diameters with one fiber optic fault locator.

Adapter for SMA

Adapts 2.50 mm FIBERPOINT® connection to SMA 905 connection. Consequently you can check both popular fiber connector types with just one fiber optic fault locator.

INCLUDED IN DELIVERY

• Dust cap on both sides
• Plastic foil packaging

NOTES

Compliant with RoHS-requirements (2011/65/EU from June 8, 2011). The above product specifications are subject to change without notice.

FIBERPOINT® **packaging**

	Etui	Box	Quadrosafe	Adapter 1.25 mm	Adapter SMA	Adapter POF
FIBERPOINT® 250 Art. No.1400000101			●	●	●	●
FIBERPOINT® 250 Art. No.1400000104	●			●	●	●
FIBERPOINT® 250 HP Art. No.1400000102			●	●		
FIBERPOINT® 250 HP Art. No.1400000105		●		●	●	●
FIBERPOINT® 250 MD Art. No.1400000030	●			●		●
FIBERPOINT® 250 MD Art. No.1400000030Q			●	●	●	●
FIBERPOINT® ET Art. No. 1400000106 Art. No. 1400000108	●			●		●
FIBERPOINT® ET Art. No. 1400000107 Art. No. 1400000109			●	●	●	●
FIBERPOINT® ET G Art. No. 1400000103	●			●		●
FIBERPOINT® ET G Art. No. 1400000103Q			●	●	●	●

FEATURES

Etui
Art. No. 3150000401

Black plastic material with preformed grooves to accept FIBERPOINT®, batteries, dust cap and one optional adapter (1.25 mm / SMA / POF)

BOX
Art. No. 3150001117

Black plastic box with performed grooves to accept FIBERPOINT®, batteries dust cap and optional adapters (1.25 / SMA / POF)

QUADROSAFE
Art. No. 3070000149

Square shaped semitransparent economy plastic box Quadrosafe to accept FIBERPOINT® and optional accessories

NOTES

The above product specifications are subject to change without notice.

EXPERIENCE MEETS EXPERTISE IN INNOVATION

We have been developing, manufacturing and distributing optical and optoelectronic standard products and individual solutions for more than 30 years, working as a reliable and capable partner with customers from many industrial sectors. Need someone you can trust with a complex task? The full extent of our experience and expertise in innovation is at your disposal. We look forward to developing prototypes and batch products for you at our two production sites in Germany – in keeping with the highest technical standards and with outstanding support from our large network of partners.

You get the **benefit** of advice, development and manufacturing all from a single source, designed and made in Germany.

Industry

Life science

Production services

Communication technology

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