

# Fiber Optic Fault Locators and Accessories

Blue-Violet  
405 nm

Green  
532 nm

Orange  
595 nm (LED)

Red  
635 nm...690 nm

Infrared  
760 nm...1650 nm



Release 2009



Mit Eigenschaftsvergleich aller Fiberpoint siehe vorletzte Seite

überreicht durch:

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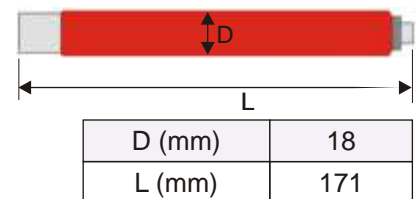
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FIBERPOINT® 250



Ferrule 2.5 mm

- Applications:**
- The compact design of the visual fault locator is very suitable for **daily use** in all fiber optic applications e.g. **in the field, in industrial environment as well as in laboratories.**
  - Check **singlemode/multimode** optical fibers and other fiber optic components on faults.
  - **Patching** of fibers



| 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)          | 500 µW   | 700 µW |
|  | (Multimode fiber 50/125 µm)          | 500 µW   | 800 µW |
| Optical output power   |                                      |          | 1 mW   |
| Operation current  |                                      | 40 mA    |        |
| Retention force for ferrule                                  |                                      | 1-2 N    |        |
| Weight incl. batteries                                       |                                      | 60 g     |        |
| Operation time - one battery pack <sup>1</sup> (Pulsed mode) |                                      | 40 hours |        |
| Battery type   |                                      | AAA      |        |
| Operation mode   | <b>Pulsed mode:</b> Frequency 2-3 Hz |          |        |
| Laser protection class                                       | 2                                    |          |        |
| Suitable ferrule 2.5 mm                                      | DIN, E2000, FC, SC, ST               |          |        |

- Included in delivery:**
- Dust cap
  - One battery pack
  - Instruction manual
  - "Quadrosafe" economy plastic shipping box

**Accessories (not included):** - Adapters please see page 7/8 this brochure

Notes: Do not use rechargeable batteries.

**Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)**  
**The above product specifications are subject to change without notice.**

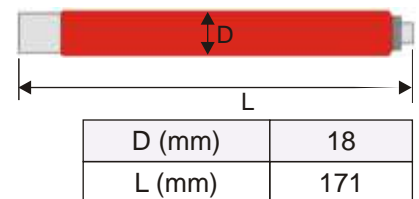
<sup>1)</sup> Battery: VARTA Industrial Alkaline No. 4003; 1.5 V; AAA; LR03 Micro; AM4; MN2400

FIBERPOINT® 250D



Ferrule 2.5 mm

- Applications:**
- The compact design of the visual fault locator is very suitable for **daily use** in all fiber optic applications e.g. **in the field, in industrial environment as well as in laboratories.**
  - Check **singlemode/multimode** optical fibers and other fiber optic components on faults.
  - **Patching** of fibers



| 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) | 500 µW   | 700 µW |
|  | (Multimode fiber 50/125 µm) | 500 µW   | 800 µW |
| Optical output power   |                             |          | 1 mW   |
| Operation current  |                             | 40 mA    |        |
| Retention force for ferrule                                  |                             | 1-2 N    |        |
| Weight incl. batteries                                       |                             | 60 g     |        |
| Operation time - one battery pack <sup>1</sup> (Pulsed mode) |                             | 40 hours |        |
| Battery type   |                             | AAA      |        |
| Operation mode   | <b>Continuous Wave</b>      |          |        |
| Laser protection class                                       | 2                           |          |        |
| Suitable ferrule 2.5 mm                                      | DIN, E2000, FC, SC, ST      |          |        |

- Included in delivery:**
- Dust cap
  - One battery pack
  - Instruction manual
  - "Quadrosafe" economy plastic shipping box

**Accessories (not included):** - Adapters please see page 7/8 this brochure

Notes: Do not use rechargeable batteries.

**Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)**  
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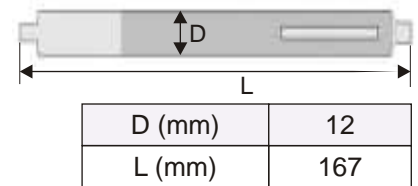
<sup>1)</sup> Battery: VARTA Industrial Alkaline No. 4003; 1.5 V; AAA; LR03 Micro; AM4; MN2400

FIBERPOINT® 250MD



Ferrule 2.5 mm

- Applications:**
- The compact design of the visual fault locator is very suitable for **daily use** in all fiber optic applications e.g. **in the field, in industrial environment as well as in laboratories.**
  - Check **singlemode/multimode** optical fibers and other fiber optic components on faults.
  - **Patching** of fibers



| 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)                      | 500 µW   | 700 µW |
|  | (Multimode fiber 50/125 µm)                      | 500 µW   | 800 µW |
| Optical output power   |  |          | 1 mW   |
| Operation current  |  | 40 mA    |        |
| Retention force for ferrule                                  |  | 1-2 N    |        |
| Weight incl. batteries                                       |  | 60 g     |        |
| Operation time - one battery pack <sup>1</sup> (Pulsed mode) |  | 40 hours |        |
| Battery type   |  | AAA      |        |
| Operation mode   | <b>Continuous CW; Pulsed mode: Freq.: 2-3 Hz</b> |          |        |
| Laser protection class                                       | 2  |          |        |
| Suitable ferrule 2.5 mm                                      | DIN, E2000, FC, SC, ST                           |          |        |

- Included in delivery:**
- Dust cap
  - One battery pack
  - Etui style plastic packaging/ optional "Quadrosafe" economy plastic shipping box
  - Instruction manual

**Accessories (not included):** - Adapters please see page 7/8 this brochure

Notes: Do not use rechargeable batteries.

**Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)**  
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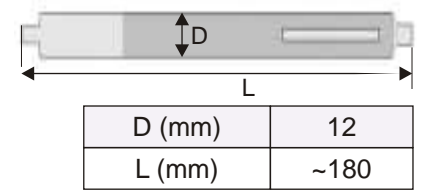
<sup>1)</sup> Battery: VARTA Industrial Alkaline No. 4003; 1.5 V; AAA; LR03 Micro; AM4; MN2400

FIBERPOINT® 250G



Ferrule 2.5 mm

- Applications:**
- The compact design of the visual fault locator is very suitable for **daily use** in all fiber optic applications e.g. **in the field, in industrial environment as well as in laboratories.**
  - Check **singlemode/multimode** optical fibers and other fiber optic components on faults.
  - **Patching** of fibers



| Parameter                   | Min.                                 | Typ.   | Max.   |
|-----------------------------|--------------------------------------|--------|--------|
| Wavelength                  |                                      | 532 nm |        |
| Operation temperature       | 20 °C                                |        | 30 °C  |
| Storage temperature         | - 40 °C                              |        | 70 °C  |
| Fiber coupled power         | (Singlemode fiber 9/125 µm)          | 500 µW | 700 µW |
|                             | (Multimode fiber 50/125 µm)          | 500 µW | 800 µW |
| Optical output power        |                                      |        | 1 mW   |
| Operation current           |                                      | 300 mA |        |
| Retention force for ferrule |                                      | 1-2 N  |        |
| Weight incl. batteries      |                                      | 60 g   |        |
| Battery type                |                                      | AAA    |        |
| Operation mode              | <b>Pulsed mode:</b> Frequency 2-3 Hz |        |        |
| Laser protection class      | 2                                    |        |        |
| Suitable ferrule 2.5 mm     | DIN, E2000, FC, SC, ST               |        |        |

- Included in delivery:**
- Dust cap
  - One battery pack
  - Instruction manual
  - "Quadrosafe" economy plastic shipping box

**Accessories (not included):** - Adapters please see page 7/8 this brochure

Notes: Do not use rechargeable batteries.

**Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)**  
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<sup>1)</sup> Battery: VARTA Industrial Alkaline No. 4003;  
 1.5 V; AAA; LR03 Micro; AM4; MN2400

FIBERPOINT® ET



Ferrule 2.5 mm

- Applications:**
- The compact design of the visual fault locator is very suitable for **daily use** in all fiber optic applications e.g. **in the field, in industrial environment as well as in laboratories.**
  - Check **singlemode/multimode** optical fibers and other fiber optic components on faults.
  - **Patching** of fibers



|        |      |
|--------|------|
| D (mm) | 12.1 |
| L (mm) | 151  |

| Parameter  | Min.   | Typ.     | Max.   |
|--|--|----------|--------|
| Wavelength   | 650 nm   | 655 nm   | 660 nm |
| Operation temperature  | - 10 °C  |          | 45 °C  |
| Storage temperature  | - 40 °C  |          | 70 °C  |
| Fiber coupled power  | (Singlemode fiber 9/125 µm)                      | 200 µW   | 350 µW |
|  | (Multimode fiber 50/125 µm)                      | 200 µW   | 600 µW |
| Optical output power   |  |          | 1 mW   |
| Operation current  |  | 35 mA    |        |
| Retention force for ferrule                                  |  | 1-2 N    |        |
| Weight incl. batteries                                       |  | 70 g     |        |
| Operation time - one battery pack <sup>1</sup> (Pulsed mode) |  | 40 hours |        |
| Battery type   |  | AAA      |        |
| Operation mode   | <b>Continuous CW; Pulsed mode: Freq.: 2-3 Hz</b> |          |        |
| Laser protection class                                       | 2  |          |        |
| Suitable ferrule 2.5 mm                                      | DIN, E2000, FC, SC, ST                           |          |        |

- Included in delivery:**
- Dust cap
  - One battery pack
  - Instruction manual

**Accessories (not included):** - Adapters please see page 7/8 this brochure

Notes: Do not use rechargeable batteries.

**Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)**  
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<sup>1)</sup> Battery: VARTA Industrial Alkaline No. 4003; 1.5 V; AAA; LR03 Micro; AM4; MN2400

**Adapter 2.50 mm to 1.25 mm**

**Applications:** - Adapts patented **2.50 mm FIBERPOINT®** connection **to a 1.25 mm** connection. Consequently you can check most of the popular fiber connector types with just one fiber fault locator.



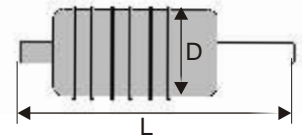
FIBERPOINT® 250 with Adapter



FIBERPOINT® 250MD with Adapter



Ferrule 1.25 mm



|        |     |
|--------|-----|
| D (mm) | 8.5 |
| L (mm) | 26  |

| Parameter               | Specification                             |
|-------------------------|---|
| Side of the FIBERPOINT® | 2.50 mm SM-ferrule                        |
| Side of the fiber       | 1.25 mm connection for LC, MU, F3000 etc. |
| Attenuation             | < 1.0 dB                                  |
| Weight                  | 10 g                                      |

**Included in delivery:** - Dust cap on both sides

| Eigenschaftsvergleich Fiberpoint®         |                        |                        |                        |                        |                        |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| Model                                     | ET (OPTERNUS)          | 250MD                  | 250                    | 250D                   | 250G                   |
| Größe: Ø / Länge (mm)                     | 12,1 / 151             | 12 / 167               | 18 / 171               | 18 / 171               | 18 / 171               |
| Betriebsarten                             | CW und gepulst 2-3Hz   | CW und gepulst 2-3Hz   | gepulst 2-3Hz          | CW                     | gepulst 2-3Hz          |
| Ferrule 2,5mm optional Adapter auf 1,25mm | DIN, E2000, FC, SC, ST | DIN, E2000, FC, SC, ST | DIN, E2000, FC, SC, ST | DIN, E2000, FC, SC, ST | DIN, E2000, FC, SC, ST |
| Wellenlänge (typ.)                        | 620 ~ 690nm            | 635nm                  | 635nm                  | 635nm                  | 532nm                  |
| Einsatztemperatur                         | -10° /+ 45°C           | -10° /+ 45°C           | -10° /+ 45°C           | -10° /+ 45°C           | 20° /+ 30°C            |
| Lagertemperatur                           | -40° /+70°C            | -40° /+70°C            | -40° /+70°C            | -40° /+70°C            | -40° /+70°C            |
| Ausgangsleistung                          | 1mW                    | 1mW                    | 1mW                    | 1mW                    | 1mW                    |
| Eingekoppelte Leistung SM                 | 350µW (typ.)           | 600µW (typ.)           | 600µW (typ.)           | 600µW (typ.)           | 700µW (typ.)           |
| Eingekoppelte Leistung MM                 | 500µW (typ.)           | 600µW (typ.)           | 600µW (typ.)           | 600µW (typ.)           | 800µW (typ.)           |
| Haltekraft der Ferrule                    | 1-2N                   | 1-2N                   | 1-2N                   | 1-2N                   | 1-2N                   |
| Gewicht inkl. Batterien                   | 70g                    | 60g                    | 60g                    | 60g                    | 60g                    |
| Betriebsdauer (2xAAA1,5V)                 | 40h                    | 40h                    | 40h                    | 40h                    | n.a.                   |
| Laserschutzklasse                         | 2                      | 2                      | 2                      | 2                      | 2                      |

Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)

Note: The above product specifications are subject to change without notice.

## Adapter for POF (polymer optical fiber)



**Applications:** - Adapts the patented **2.50 mm FIBERPOINT®** connection to a **1.5 and 2.2 mm outer diameter polymer optical fiber** connection. Consequently you can check both popular fiber connector types with one fiber fault locator.

| Parameter               | Specification      |
|-------------------------|--------------------|
| Side of the FIBERPOINT® | 2.50 mm SM-ferrule |
| Side of the fiber       | 1.5 and 2.2 mm     |
| Attenuation             | typ. < 1.0 dB      |
| Weight                  | 8.5 g              |

**Included in delivery:** - Dust cap on both sides  
- Plastic foil bag packaging

## Adapter for SMA



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

| Parameter               | Specification      |
|-------------------------|--------------------|
| Side of the FIBERPOINT® | 2.50 mm SM-ferrule |
| Side of the fiber       | SMA 905 connector  |
| Attenuation             | typ. < 1.0 dB      |
| Weight                  | 3.5 g              |

**Included in delivery:** - Dust cap on both sides  
- Plastic foil packaging

Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)

Note: The above product specifications are subject to change without notice.