

TOPMARK NEO SET - Laser marker set



1012018

<https://www.phoenixcontact.com/us/products/1012018>

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Equipment set consisting of the TOPMARK NEO laser marking system and the TMN-EXTRACTION extraction unit for the efficient marking of metal and plastic marking materials from the LS, UCT, UC/PP, and UM product families.



Product description

The TOPMARK NEO is setting new standards in laser marking. This marking system creates laser markings to meet the highest standards in no time. With over 650 different materials, the TOPMARK NEO processes a comprehensive range of materials for marking terminal blocks, wires, cables, and devices. Marking materials made of stainless steel, aluminum, ABS, polyacrylic, polypropylene, and polycarbonate are available. Operation is easy, without the need for comprehensive prior knowledge. The user-friendly touch display enables you to operate the laser intuitively and quickly – without the need for specialist knowledge. This allows you to process a wide range of materials for the flexible marking of your application. With the unique material handling and integration into the desktop marking software from Phoenix Contact, the TOPMARK NEO is the fastest desktop laser marker in its class, with a speed of more than 250 labels per minute.

Scope of supply:

TOPMARK NEO laser marker (1012015) with LS adapter plate incl. four magnets (1012104), LS retaining plate (0803478), type E and F power cables, LAN cable, and operating instructions with declaration of conformity. TMN-EXTRACTION extraction unit (1012102) with filter equipment (1012100, 0803305, 0803306), suction tube (1012101), crevice nozzle set (083310), type E and F power cables, 25-pos. D-SUB cable, and operating instructions with declaration of conformity

Your advantages

- Maintenance-free operation, thanks to fiber laser technology
- Intuitive and time-saving operation using integrated marking software with a graphical user interface
- Minimal installation space: surface of only approx. two DIN-A3 sheets is required
- Rapid marking of plastic and metal labels for marking terminals, conductors, cables, devices, and plants
- Easy to control with the desktop marking software from Phoenix Contact
- Laser class 1 in accordance with DIN EN 60825-1: no laser operative required
- For all UniCard (UCT) and LaserSheet (LS) materials
- High-quality, fast marking. Marking a UniCard in just 8 seconds
- The integrated material detection prevents incorrect markings

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1012018 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BG01 |
| Product key | BG1252 |
| GTIN | 4055626486284 |
| Weight per piece (including packing) | 127 kg |

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|--------------------------------------|----------|
| Weight per piece (excluding packing) | 107 kg |
| Customs tariff number | 84561190 |
| Country of origin | DE |

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Set consists of

TOPMARK NEO - Laser marker

1012015

<https://www.phoenixcontact.com/us/products/1012015>



Laser marking system for the efficient marking of metal or plastic marking material from the LS..., UCT..., UC.../PP..., UM... product families.

TMN-ADAPTER PLATE-LS - Adapter plate

1012104

<https://www.phoenixcontact.com/us/products/1012104>



Adapter plate for LS materials incl. 4 magnets for spot securing of lightweight marking materials

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TMN-FRAME-LS - Holding plate

0803478

<https://www.phoenixcontact.com/us/products/0803478>

Retaining plate for circumferentially securing lightweight marking materials



TMN-EXTRACTION - Cleaning set

1012102

<https://www.phoenixcontact.com/us/products/1012102>

Filter and extraction unit for the efficient extraction of fumes and dust caused by TOPMARK NEO laser emissions.



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TMN-PRE FILTER - Cleaning set

1012100

<https://www.phoenixcontact.com/us/products/1012100>



Prefilter for TOPMARK NEO, for replacement

TOPMARK LASER HEPA FILTER - Cleaning set

0803305

<https://www.phoenixcontact.com/us/products/0803305>



HEPA filter, for replacement

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TOPMARK LASER CARBON FILTER - Cleaning set

0803306

<https://www.phoenixcontact.com/us/products/0803306>

Activated carbon filter, for replacement



TOPMARK LASER CLEANING NOZZLE - Cleaning set

0803310

<https://www.phoenixcontact.com/us/products/0803310>

Cleaning nozzle, for plugging onto the suction tube of the extraction unit.



Technical data

Notes

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|--------------------|--|
| Notes on operation | The TOPMARK NEO laser marking system is designed for operation in conjunction with a suitable extraction unit. This ensures safe and clean operation during laser marking. For long-term reliable use, the operator must ensure that saturated filters are replaced regularly in accordance with the operating instructions. |
|--------------------|--|

Product properties

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|-----------------|---|
| Product type | Marking system |
| Scope of supply | TOPMARK NEO (1012015) scope of delivery: TMN-EXTRACTION extraction unit (1012102) with filter equipment (1012100, 0803305, 0803306), suction tube (1012101), crevice nozzle set (083310), type E and F power cables, 25-pos. D-SUB cable, and operating instructions with declaration of conformity |

Marking

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|---------------------------|----------------------|
| Identification technology | Direct laser marking |
|---------------------------|----------------------|

Device properties

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|----------------|--|
| Laser class | Laser class 1 according to EN 60825-1 classification |
| Laser system | Ytterbium fiber laser, pulsed, 1064 nm |
| CW laser power | 20 W |

Electrical properties

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|-------------------|--------|
| Power consumption | 1350 W |
|-------------------|--------|

Dimensions

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|--------|--------|
| Width | 930 mm |
| Height | 880 mm |
| Length | 485 mm |

Environmental and real-life conditions

Ambient conditions

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|---------------------------------|----------------|
| Ambient temperature (operation) | 5 °C ... 35 °C |
|---------------------------------|----------------|

Standards and regulations

| | |
|-------------|--|
| Laser class | Laser class 1 according to EN 60825-1 classification |
|-------------|--|

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 19140127 |
| ECLASS-15.0 | 19140127 |

UNSPSC

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|-------------|----------|
| UNSPSC 21.0 | 43212100 |
|-------------|----------|

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Environmental product compliance

EU RoHS

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|---|-------------------------------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(a)-I, 6(c), 7(c)-I, 7(c)-II |

China RoHS

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|--|---|
| Environment friendly use period (EFUP) | EFUP-10 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 827f979d-41ee-4f4d-8968-a7faad3d8263 |

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