



FOBA Y.OX00-fc-Series

Applied variety: a range of system variants enables many applications

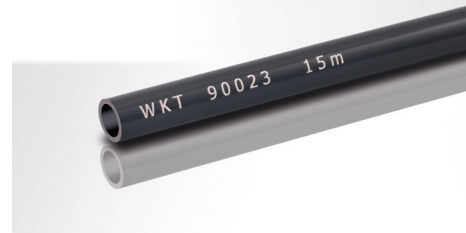
FOBA's compact and flexible fiber laser markers in the Y.OX00-fc-series mark metals, plastics and other hard to mark materials and parts reliable, fast and efficient. Various system versions allow individual configurations that can be adapted to the respective industrial application.

The pulsed marking lasers Y.0100-fc, Y.0200-fc, Y.0300-fc, Y.0301-fc and Y.0500-fc are available in various power classes and are thus perfect for marking and engraving tools, instruments and all types of components. Preferred areas of application are in almost all metal and plastic processing industry sectors: from the electronics, automotive and automobile supply industries through the medical and safety technology to extrusion and the marking of phone cards.

Whether as engraving, color change, color or material removal or annealing – FOBA's fiber laser markers are also flexible in creating various marking effects and convince with their always brilliant marking quality.

Your product benefits

- Excellent laser beam and marking quality
- Low-maintenance and efficient due to long-lasting laser diodes and air-cooling
- Small and compact for optimum integration in production lines and plants
- Various laser power classes and accessories for individual configuration and optimum adaptation to the respective application



*Dräger logo: annealing on box for respirator mask (steel cover)
Plastic fuel pipe: color change*



Y.0100-fc, Y.0200-fc, Y.0300-fc, Y.0301-fc, Y.0500-fc

Technical Data

Marking features

Marking heads	Three marking heads (SS7, SS9, SS10) with various focus lenses
Marking field*	Various marking fields, from 74 x 74 mm ² (f=100 mm, SS9) to 308 x 308 mm ² (f=420 mm, SS10)
Marking speed*	Up to 20,000 mm/s, up to 700 characters/s

Laser

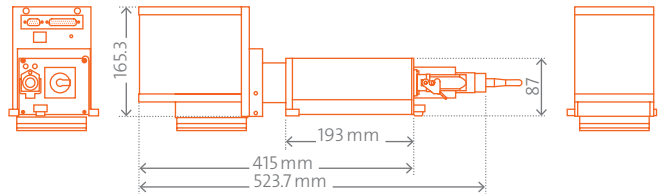
Type	Pulsed Ytterbium fiber laser (Yb) Various laser powers and pulse frequency ranges Wavelength 1,064 nm
Laser class	4 (according to DIN EN 60825-1)

User interfaces

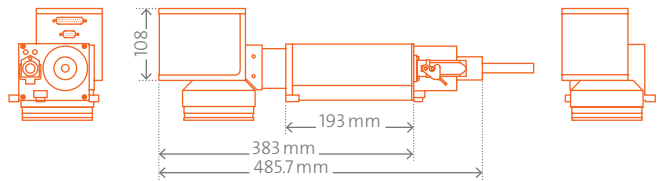
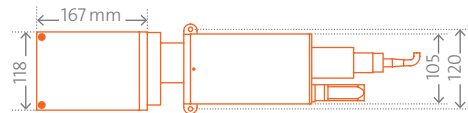
- PC software FOBA MarkUS™ (on separate, external, optional Windows 7 or Windows XP PC)
- Ethernet interface

Supply

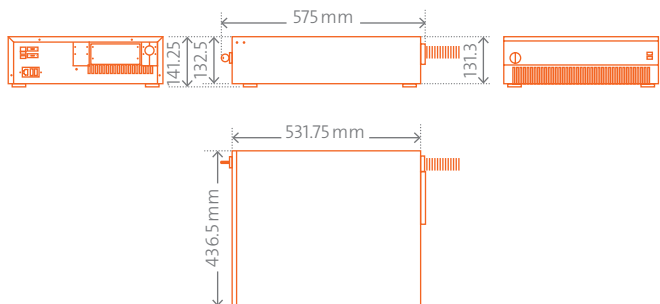
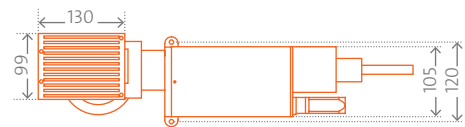
Electrical req.	L/N/PE 100 – 240 VAC, 50/60 Hz
Power consumption	Y.0100-fc, Y.0200-fc, Y.0300-fc, Y.0301-fc: 400 VA Y.0500-fc: 700 VA
IP rating	→ Marking unit IP54 → Supply unit IP21
Cooling	Air-cooled
Temperature	5 – 35 °C
Humidity	10 – 90 %, non-condensing
Weight	→ Marking unit approx. 5 kg → Supply unit approx. 20 kg



Exemplary marking unit Y.0100-fc/Y.0200-fc/Y.0300-fc/Y.0301-fc (marking head SS10, f=163 mm)



Exemplary marking unit Y.0500-fc (marking head SS9, f=163 mm)



Supply unit

* Depends on the application

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