



DENEX Laser CopySensor™ MICRO

for universal use in most printing applications

Whatever your application: newspaper stackers, commercial stackers, inkjet labeling, packaging, gripper pick-up stations, the MICRO is the universal choice. This allows for only one type of sensor per plant. The on-board processor will dynamically adjust for varying stream conditions.

- **Dynamic Blocking**
- handles cut edge delivery, stapled or irregular leading edges
- **Gap detection**
- eliminates false counts caused by gaps in the stream
- **Speed sensor input**
- provides a fixed distance blocking zone
- **DIP switch**
configurable – can be optimized for the count application
- **CAN- and USB communication**



Based on our 25 years of experience the DENEX CopySensor™ MICRO is today the best and most versatile CopySensor we have manufactured. The small size and the user configurable software versions allows that it will fit in most of the different brands of stackers on the market.

The unique principle based on several DENEX patents makes the MICRO insensitive to color or sunlight. The straight laser beam will ensure a perfect timing between the edge and the output pulse within the working range.

DENEX CopySensor™ MICRO is also the right choice when replacing older DENEX CopyCounters like LCC70, LCC50 and LCC30.

Specification: DENEX Laser CopySensor™ MICRO

DENEX Part. No. 51L2100

Accuracy: Better than 1:20000 error rate

Maximum Count rate: >1.000.000 copies/hour

Maximum product speed: 1m/s for thinnest products,
up to 5 m/s otherwise

Maximum stream thickness: 70 mm (standard range)

Minimum product thickness: 0,1mm(standard range)

Distance from conveyor: 100 mm (standard range)

Min. spacing between copies: 1-5 mm depending on thickness,
speed and pulse width

Stream conditions: All conditions

Operating system: RISC processor

Pulse width: 5ms (preset) 2, 20 ms (selectable)
or customized setting

CAN Interface: 10,20, 50, 100, 125, 250, 500 kbit

USB Interface: For customized set up

Output signal: Opto isolated transistor 12V to 30V max 500mA

Speed sensor input: 4.5 - 28 VDC, 3mA max 2,5 kHz

Laser System: Visible, switched laserdiode, 650nm, with laser
safety monitor

Laser safety class: Class II (harmless if not stared at for long time)

Estimated lifetime of Laser: 30000 - 100000h @ 20C

Power supply: 19 - 30 VDC, 150mA typ.

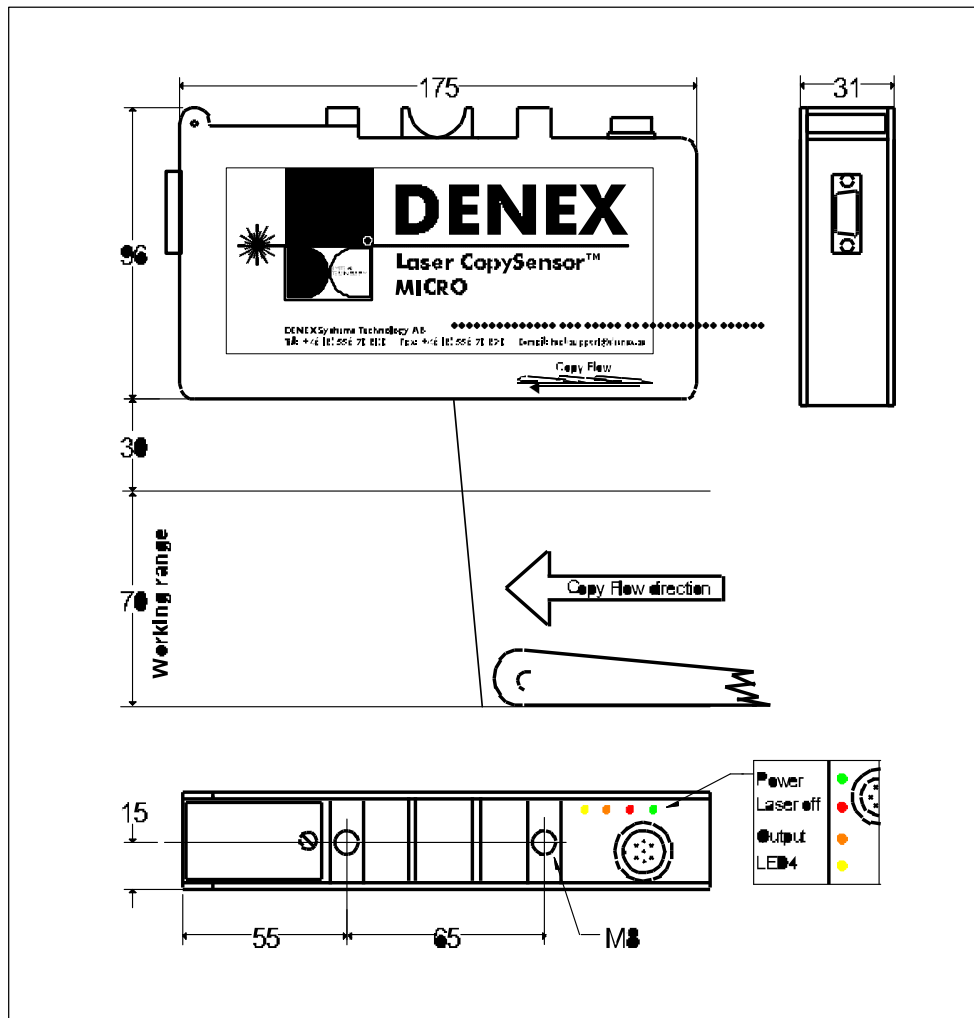
Matching Connector: Amphenol-Tuchel C91A T 3476 001

Weight: 800 g

Size: 175 x 96 x 31 mm

Temperature range: +10 to 40 C

Mechanical Dimensions



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