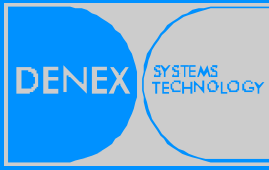


DENEX
keeps an eye on your
production



DENEX Laser CopySensor™ Edge Detector II

for optimized timing of output pulses

This is the economical sensor choice in applications like ink-jet labeling, gripper pick-up stations and stackers handling products with folded edge first.

- **Dynamic Blocking**
- handles cut edge delivery, stapled or irregular leading edges
- **Straight laser beam** - output pulse exactly at leading edge
- **Wide working range**
- very thin to thick products without any adjustment
- **CAN- and USB communication**



In timing applications like pick-up stations and ink jet labeling the Edge Detector has proven to be the right choice for many customers around the world. The small size and the user configurable software versions gives that it will fit in most of the different equipment on the market. The straight laser beam will ensure a perfect timing between the edge and the output pulse within the whole working range. The software in version II has been improved with dynamic blocking as in the MICRO. The unique principle based on several DENEX patents makes the Edge Detector II insensitive to color or sunlight.

DENEX Laser CopySensor™ Edge Detector is also the right choice when replacing older DENEX CopyCounters like LCC30 and LC.

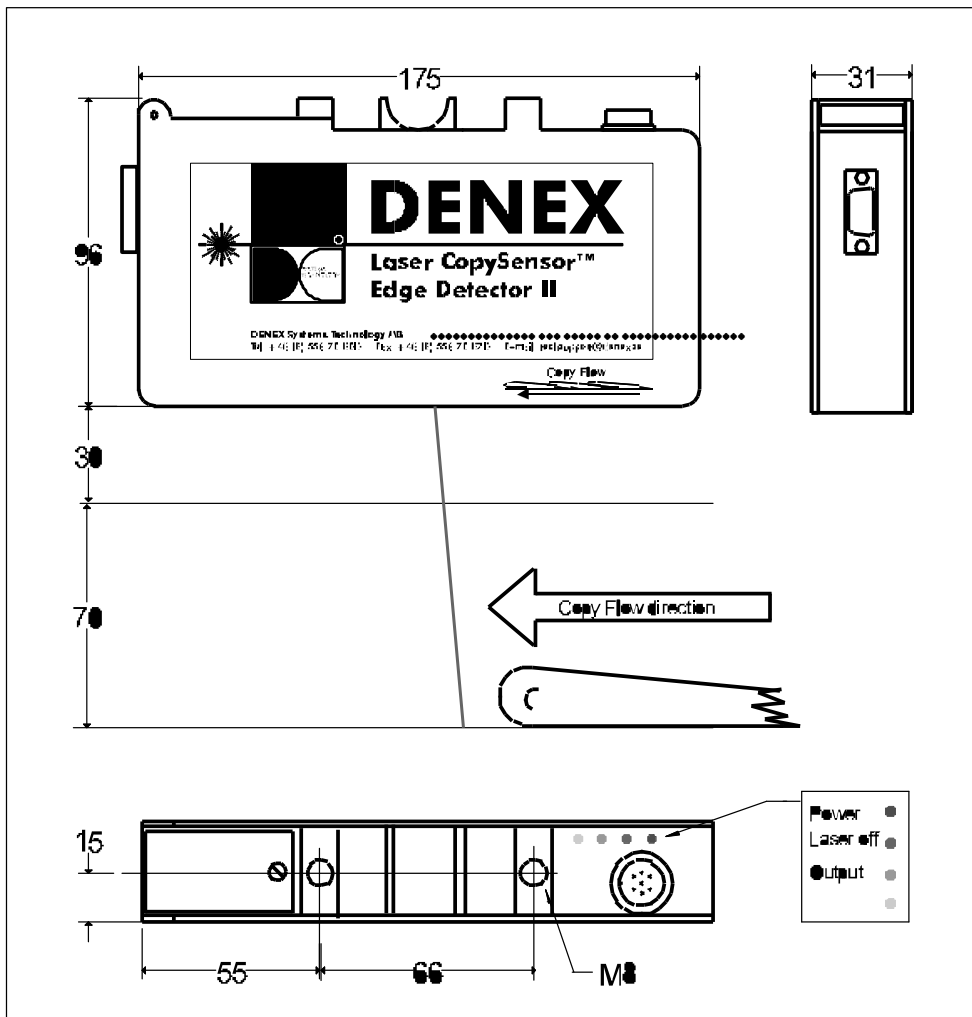
Specification: DENEX Laser CopySensor™ Edge Detector II

DENEX Part. No.	51E3100	CAN Interface	10, 20, 50, 100, 125, 250, 500 kbit
Accuracy:	Better than 1:15000 error rate	USB Interface:	For customized set up
Maximum count rate:	>1.000.000 copies/hour	Output signal:	Opto isolated transistor 12V to 30V max 500mA
Maximum product speed:	1m/s for thinnest products, up to 5 m/s otherwise	Speed sensor input:	Not available
Maximum stream thickness:	70 mm (standard range)	Laser system:	Visible, switched laserdiode, 650nm, with laser safety monitor
Minimum product thickness:	0,1mm (standard range)	Laser safety class:	Class II (harmless if not stared at for long time
Distance from conveyor:	100 mm (standard range)	Estimated lifetime of laser:	30000 - 100000h @ 20C
Minimum spacing: between copies	1-5 mm depending on thickness, speed and pulse width	Power supply:	19 - 30 VDC, 150mA typ.
Stream conditions:	All conditions	Matching connector:	Amphenol-Tuchel C91A T 3476 001
Operating system:	RISC processor	Weight:	800 g
Pulse width:	Dynamic blocking: 5 or 20ms or customized setting Fixed Blocking: 2, 3, 5, 6, 20, 60 selectable	Size:	175 x 96 x 31 mm
		Temperature range:	+10 to 40

Plumtree Company

www.plumtreecompany.com

Mechanical dimensions



Plumtree Company
www.plumtreecompany.com

Plumtree Company
 PO Box 14216
 Savannah, GA 31416, USA
 Toll free +1 800 426 5159
 Phone: +1 912 354 0045
 Fax: +1 912 354 1375

jcooper@plumtreecompany.com