TOADO2D™
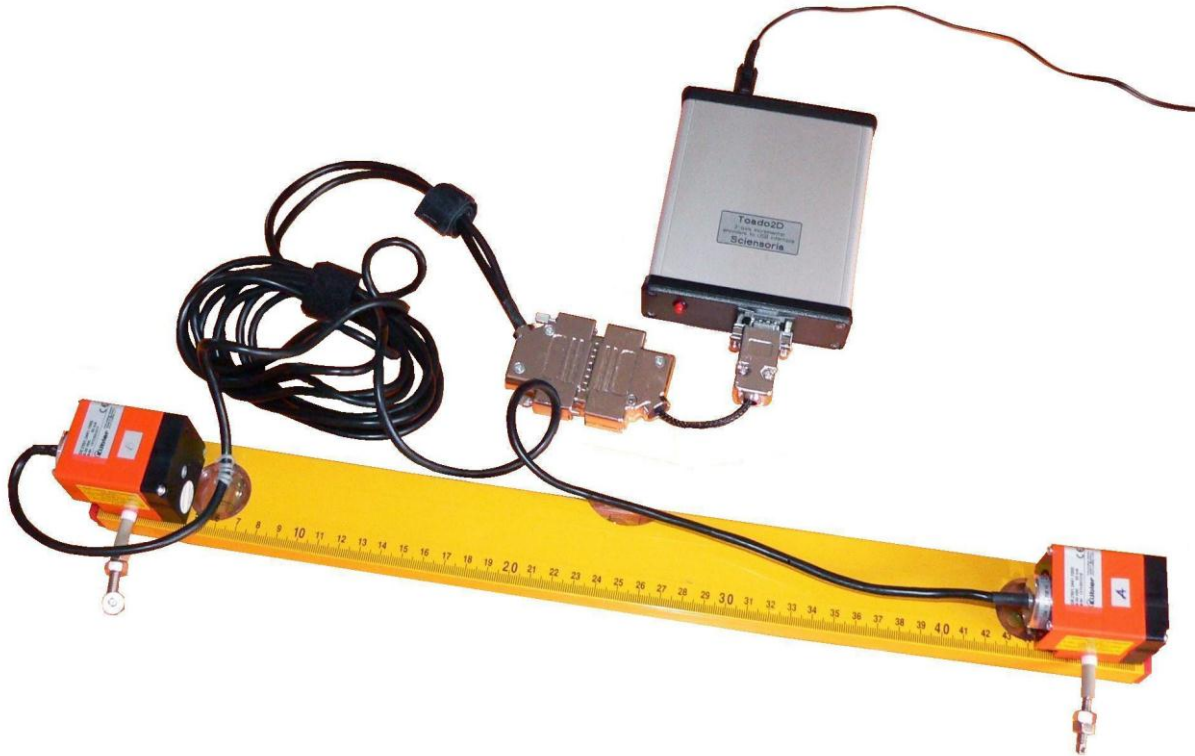# XY-cartography system

Toado2D™ is an X-Y cartography tool to be connected to an USB port of a personal computer under Windows XP, 7, 8™ OS. It enables movement control and cartography solutions in nondestructive testing

OVERVIEW

The Toado2D™ system comprises a Toado™ USB-encoders interface and 2 incremental wire-encoders. A probe is attached to the tips of the 2 wires. The x, y coordinates of the probe are determined following the triangulation principle since the distance between the encoders and the length of the 2 wires are well determined.

The Toado2D™ features its versatility: one can install the encoders on a plane and make cartographies on another plane. The wires offer a good freedom of use.
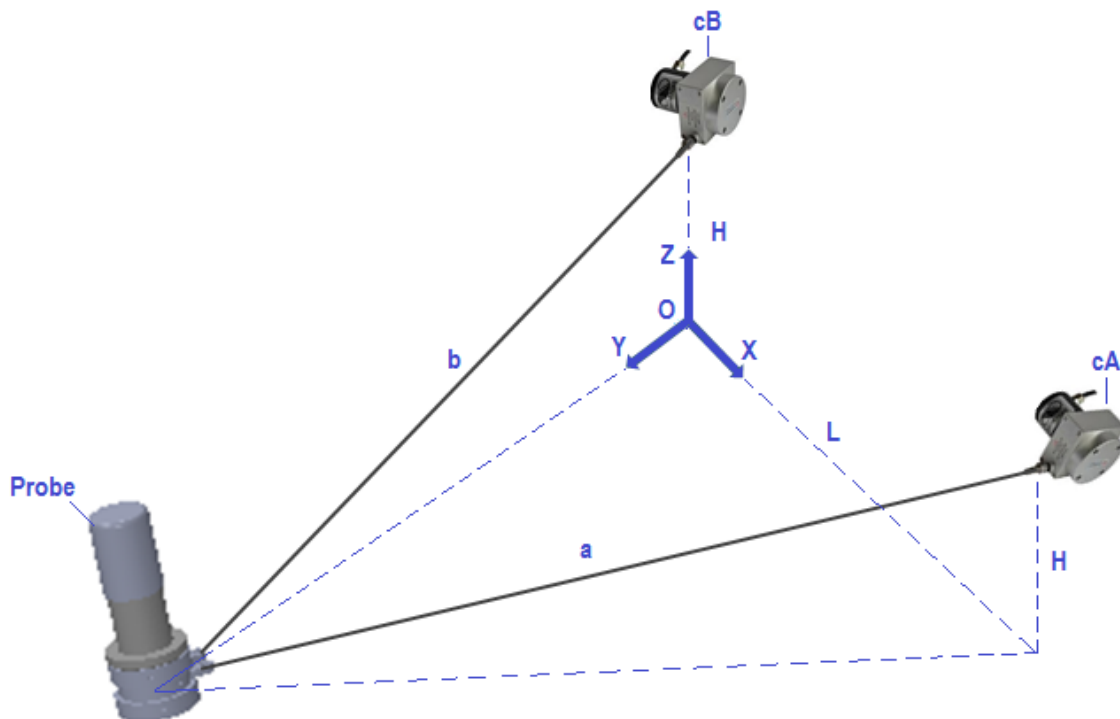
TECHNICAL SPECIFICATIONS

Toado™ USB X-Y encoders interface

Number of Channels	2
Resolution	32 bits
Maximum Pulse Counting Rate	40 MHz
Data Transfer Rate to PC	420 records at 115,200 bauds setting

Encoders

Switching Frequency	160 kHz
Overall Height	40mm
IP Rating	IP64
Overall Width	55mm
Maximum Revolutions	800mm/s
Overall Depth	40mm
Encoder Technology	Incremental
Maximum Operating Temperature	+85°C
Minimum Operating Temperature	-20°C
Supply Voltage	8 → 24Vdc
Output Signal Type	Push Pull

OPERATION ILLUSTRATION

COMMERCIAL CONTACT

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