



# Twinhead CLV650

CLV Identification System

TRACK AND TRACE SYSTEMS

**SICK**  
Sensor Intelligence.



### Ordering information

Type	part no.
Twinhead CLV650	1056482

Other models and accessories → [www.sick.com/CLV\\_Identification\\_System](http://www.sick.com/CLV_Identification_System)



### Detailed technical data

#### Features

<b>Products by tasks</b>	Code reading
<b>Covered conveyor width</b>	500 mm
<b>Focus</b>	Auto focus
<b>MTBF</b>	40,000 h
<b>MTTR</b>	5 min
<b>Conveyor type</b>	Belt conveyor Tilt-tray sorter Roller conveyor Cross-belt sorter Pallet
<b>Object infeed and outfeed</b>	Automatic
<b>Covered side of object</b>	Single side reading

#### Mechanics/electronics

<b>Dimensions, system (L x W x H)</b>	1,100 mm x 1,280 mm x 1,745 mm
<b>Connection modules</b>	CDM420-0004

#### Performance

<b>Code types</b>	1D
<b>Transport speed</b>	0 m/s ... 2.5 m/s, Depending on code height
<b>Minimum object distance</b>	50 mm
<b>Number of codes per reading interval</b>	1 ... 50
<b>Module width</b>	0.18 mm ... 1.2 mm
<b>1D code resolution</b>	0.18 mm ... 1.2 mm

#### Interfaces

<b>Serial (RS-232, RS-422/-485)</b>	✓
Function	Data interface (read result output)Service interface
Data transmission rate	Host: 300 baud ... 500 kBaud, AUX: 57.6 kBaud fixed
<b>Ethernet</b>	✓ , Depending on the cloning plug used
Function	Data interface (read result output)Service interface
Data transmission rate	10/100 MBit/s
Protocol	TCP/IP
<b>CAN bus</b>	✓ (2)

Function	SICK CAN sensor network (CAN controller/CAN device)
Data transmission rate	20 kbit/s ... 1 Mbit/s
Protocol	CSN (SICK CAN Sensor Network)
<b>PROFIBUS, PROFINET</b>	✓ , Optional over external fieldbus module (CDF)
<b>Optical indicators</b>	6, LEDs, Ready, Result, laser, Data, CAN, LNK TX, bar graph display of percentage read rates (10 LEDs)

## Ambient data

<b>Ambient operating temperature</b>	0 °C ... +40 °C
<b>Ambient temperature, storage</b>	-20 °C ... +70 °C

## General notes

<b>Items supplied</b>	CLV650 barcode scanner System-dependent for line scanner or line scanner with oscillating mirror (2 x) Double mounting bracket CDM420-0004 connection module Mounting materials Trigger photoelectric sensor Serial configuration cable Connection cable for barcode scanner to connection module (2 x) MicroSD card, already in scanner (2 x)
<b>Laser class</b>	2 (EN 60825-1:2014, IEC 60825-1:2014)

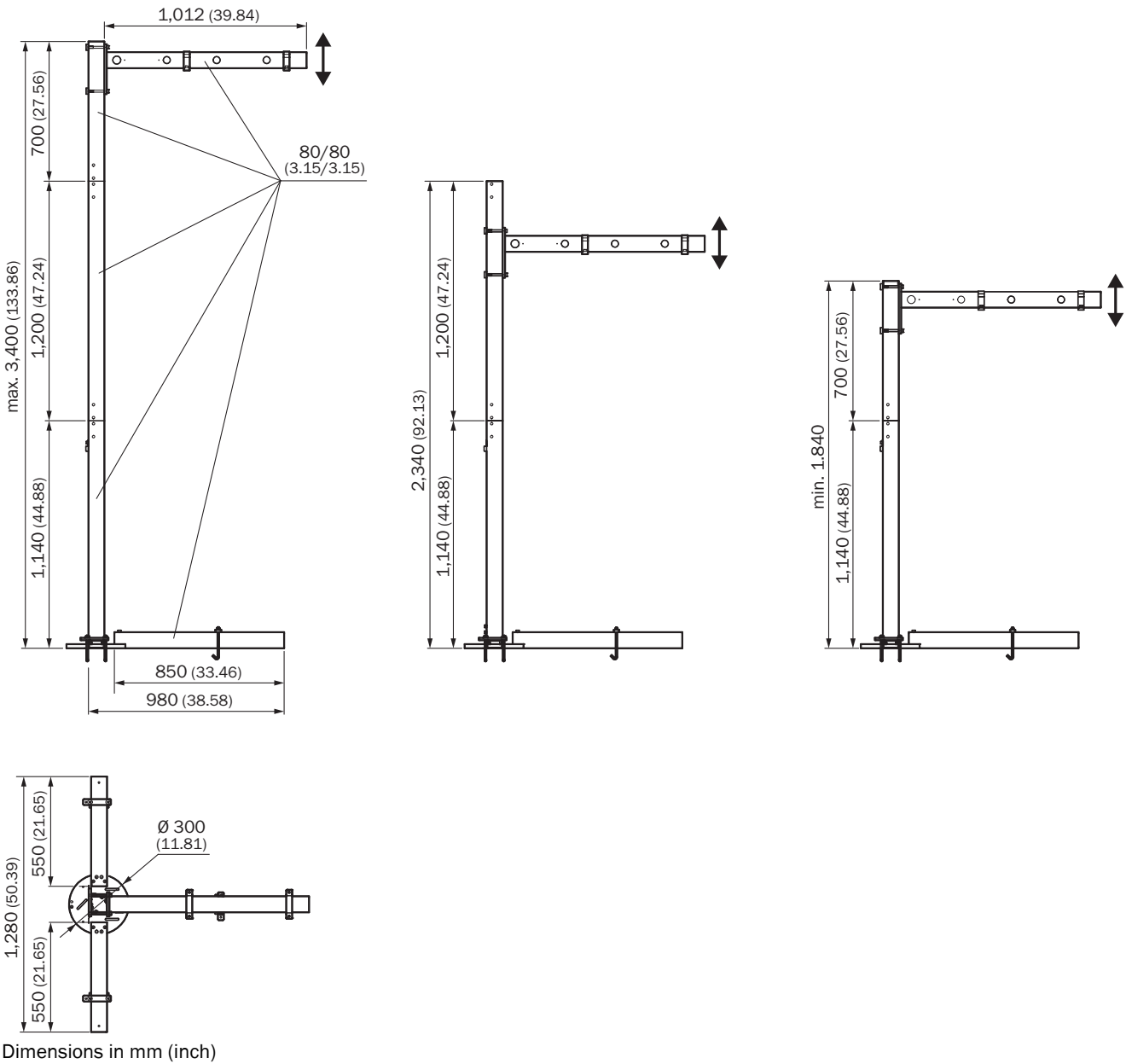
## Certificates

<b>EU declaration of conformity</b>	✓
<b>ACMA declaration of conformity</b>	✓
<b>China-RoHS</b>	✓

## Classifications

<b>ECLASS 5.0</b>	27280102
<b>ECLASS 5.1.4</b>	27280102
<b>ECLASS 6.0</b>	27280102
<b>ECLASS 6.2</b>	27280102
<b>ECLASS 7.0</b>	27280102
<b>ECLASS 8.0</b>	27280102
<b>ECLASS 8.1</b>	27280102
<b>ECLASS 9.0</b>	27280102
<b>ECLASS 10.0</b>	27280102
<b>ECLASS 11.0</b>	27280102
<b>ECLASS 12.0</b>	27280102
<b>ETIM 5.0</b>	EC002550
<b>ETIM 6.0</b>	EC002550
<b>ETIM 7.0</b>	EC002550
<b>ETIM 8.0</b>	EC002550
<b>UNSPSC 16.0901</b>	43211701

Dimensional drawing Twinhead CLV65x and Twinhead CLV69x



## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)