

# NFT 1195

fixed mount  
CCD bar code reader

The NFT1195 fixed mount bar code reader, incorporates Opticon's optical module with CCD sensor, that proved itself for already many years and allows the user to read all popular bar code types. The reading is enabled by signal input or by computer command.

Its ruggedness is due to its sheet metal housing, whereas its small size makes this scanner specifically suitable for working situations where space is a luxury good. These include not only industrial environments, but among the applications of the NFT1195 are such diverse ones as conveyor-belts, robot arms and library systems.

Its scan rate of 200 scans per second makes this fixed mount bar code reader suitable for several working environments in which continuous scanning is required, such as conveyor-belts.

The NFT1195 bar code reader features a choice between different interfaces, like RS232 or wedge allowing the user to connect the NFT1195 to the most popular computer systems.

## Features

■ Sheet metal housing

■ On-board decoder and interfaces

■ Small-sized scanner

■ Industrial scanner

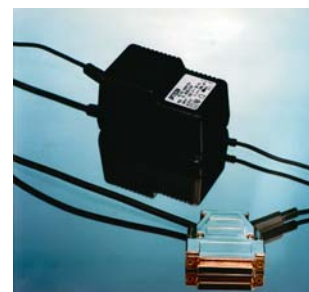
## Benefits

■ Extremely rugged scanner

■ Connects directly to the most computer systems

■ Suitable for many applications

■ Enable continuous scanning



### RS232

Optional: RS232 connector  
with external power supply

# NFT 1195 fixed mount CCD bar code reader

## Electrical specifications

|                                 |  |
|---------------------------------|--|
| Voltage requirement             | 5V ± 10%   |
| Current consumption (operating) | 45 mA typ.   |
| Idle current                    | 18 mA typ.<br>(reader connected but not triggered) |

## Optical specifications

|                            |  |
|----------------------------|--|
| Light source               | <input type="checkbox"/> Red light LED: 660 nm<br><input type="checkbox"/> optional: Infra red light LED: 880 nm |
| Photo sensor               | 2K element CCD   |
| Scan rate                  | 200 scans/sec  |
| Decode rate                | 200 decodes/sec  |
| Reading width              | 60 mm  |
| Min. resolution at PCS 0.9 | 0.10 mm (4 mil)  |
| Min. PCS Values            | 0.3  |
| Focal plane                | 13 mm from the front window  |
| Depth of field             | max. 50 mm (PCS0.9, res. 0.39)   |

## Supported symbologies

Chinese Post  
Codabar incl. ABC and CX  
Code 39  
Code 93  
Code 128  
EAN-8 incl. +2,+5  
EAN-13 incl. +2,+5  
EAN-128  
IATA  
Industrial 2of5  
Interleaved 2of5  
ISBN  
Laetus  
Matrix 2of5  
Italian Pharmaceutical  
MSI/ Plessey  
UK/ Plessey  
S-Code  
Telepen  
UPC-A incl. +2,+5  
UPC-E incl. +2,+5

## Functionality

|                      |  |
|----------------------|--|
| Trigger modes        | <input type="checkbox"/> RS232<br><input type="checkbox"/> external trigger  |
| Interfaces supported | <input type="checkbox"/> RS232<br><input type="checkbox"/> keyboard wedge<br>(interface set by interface cable: PS2, XT/AT)<br><input type="checkbox"/> optional: serial TTL |
| Configuration        | over 350 parameters can be set by RS 232 or menu book  |

## Environmental specifications

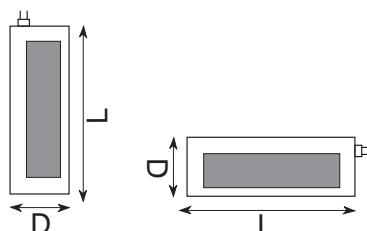
|                           |   |
|---------------------------|---|
| Temperature               | <input type="checkbox"/> 0 - +50 °C in operation<br><input type="checkbox"/> -20 - +60 °C in storage      |
| Humidity (non condensing) | <input type="checkbox"/> 20 - 80 % in operation<br><input type="checkbox"/> 20 - 90 % in storage          |
| Vibration:                | 10 - 100 Hz with 2G for 3 hours   |
| Ambient light rejection   | <input type="checkbox"/> fluorescent 2.000 lux max.<br><input type="checkbox"/> direct sun 6.000 lux max. |
| Emission                  | According to EN50081, part 1  |
| Immunity                  | According to EN50082, part 1  |

## Physical specifications

|                        |  |
|------------------------|--|
| Dimensions (l x w x d) | 76 x 68 x 26 mm  |
| Case material          | sheet metal  |
| Weight                 | body: 165 g (exl. cable)   |
| Cable length           | 2 mtr straight   |
| Standard connector     | <input type="checkbox"/> RS232:<br>DB9 female with external power<br><input type="checkbox"/> Keyboard wedge: DB9<br>(other connectors available on request) |

## Available for NFT1195: I-type reader

(2 possible mounting positions as shown)



Specifications are subject to change without notice. Printed 11-2000

The Netherlands Hoofddorp - France Issy Les Moulineaux Cedex - Germany Mainhausen  
Italy Padova - Sweden Järfälla - U.K. Banbury, Oxon  
Australia Lane Cove - Japan Ashibetsu - Warabi - Osaka - Taiwan Taipei - U.S.A. Orangeburg

**OPTICON**