

The NFT 7375B scans and decodes barcodes at a high speed. The I-type (side view) needs space for 55 mm width and 20 mm height, the L-type (front view) dimensions are 47 mm width and 55 mm height. An added feature of this fixed mount scanner is the pulsing LEDs which increase a passing unit's motion tolerance. Barcode labels that have a vibration or bounce will have better reliability.

1D CCD

NFT 7375B

CCD Scanner 700 Scans/Sec
Decodes



Features

- Sheet metal housing
- RS232 interface
- Available in front and side view
- Configurable parameters
- Scan rate up to 700 scans per second
- Pulsing LED's

Benefits

- Rugged scanner
- Compatible with almost any device
- Flexible mounting positions
- A wide variety of options for customizing
- Fast decoding of both wide and small barcodes
- Motion and vibration tolerance for better readability

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications

NFT 7375B CCD Scanner 700 Scans/Sec Decodes

Electrical specifications

Voltage requirement: 5V ± 5%
Current consumption: 220 mA, typical use
Rush current: 3 A max.
Idle current: 150 mA, typical use

Optical specifications

Light source: 660 nm red LED
Photo sensor: CCD linear sensor
Scan rate: 700 scans/sec
Label velocity: Ladder, 329.2 meter/min, Fence 60.35 meter/min (10.4 mil, UPC-A, PCS=0.9)
Decode rate: 700 decodes/sec
Focal plane: 35 mm
Reading width: 80 mm
Min. Resolution at PCS 0.9: 0.2 mm (0.15mm at 60 mm reading length)
Min. PCS value: 0.45
Depth of field: approx. 30 - 42 mm (approx. -5 to +7 mm from focal plane)

Identification

Supported barcode symbologies (1D): Codabar - Code 39 - Code 93 - Code 128 - EAN-8, incl. +2,+5 - EAN13, incl. +2, +5 - IATA - Industrial 2of5 - Interleaved 2of5 - MSI/Plessey - UPC-A, incl. +2, +5 - UPC-E, incl. +2, +5

Functionality

Trigger mode: external hardware trigger, serial software trigger
Configuration: parameters can be set by RS 232 or menu book

Communication specifications

Interface: RS 232

Environmental specifications

Temperature in operation: 0 - +40°C / +32 - +104 F
Temperature in storage: -10 - +60°C / +14 - +140F
Humidity in operation: 20 - 80 % (non-condensing)
Humidity in storage: 20 - 90 % (non-condensing)
Ambient fluorescent light immunity: 3,000 lx max
Ambient direct sun light immunity: 10,000 lx max
Shock packed drop test: 60 cm onto concrete surface
Shock vibration test: 12 - 100 Hz with 2G for 3 hours

Physical specifications

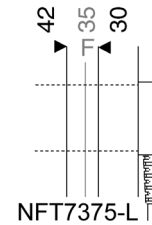
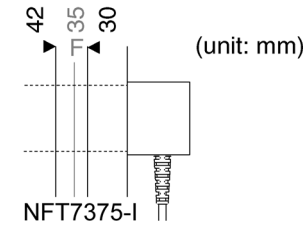
Dimensions:
I-type : (l x w x h) 55 x 47 x 20 mm / L-type : (l x w x h) 52 x 55 x 20 mm
Case material: sheet metal
Weight body: 100 g / 0.22 pounds / 4 oz (excl. cable)
Connector RS232: DB9 F

Regulatory

EMC: EN 55022, EN 55024

Typical performance based on good quality symbols in normal room temperature and light conditions.

Depth of field



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