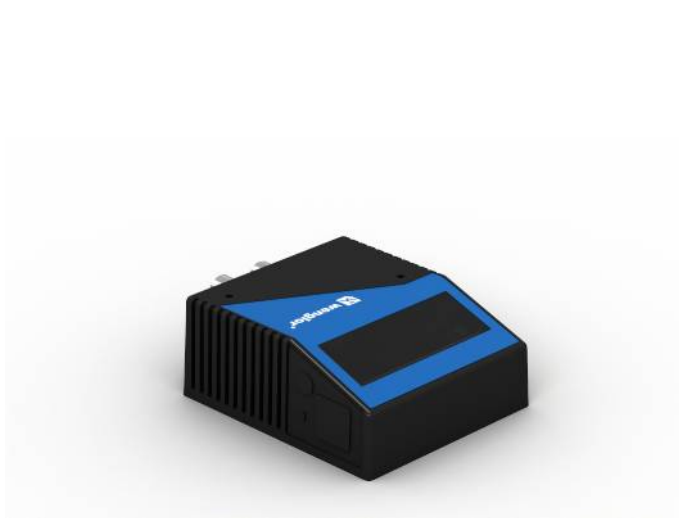


# Barcode Sweep Raster Scanner

## FIS-0870-0107

Part Number



- **Diagnosis functions**
- **Integrated code reconstruction**
- **LED scanning rate indicator**
- **Maximum oscillation rate: 80 oscillations/second**
- **Teach-in**

This sweep raster scanner is suitable for scanning surface areas. The adjustable path-folding angle of the oscillating mirror allows for ideal adaptation to your application.

The following code types can be processed:  
Code39, Interleaved 2 of 5, Code128, Codabar, UPC, PDF417, Code93, AIAG, UCC/EAN-128, Micro PDF, Pharmacode, GS1 Databar.



### Technical Data

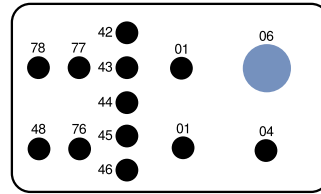
| Optical Data                       |                        |
|------------------------------------|------------------------|
| Barcode Density                    | Low density            |
| Read Range                         | 102...762 mm           |
| Light Source                       | Laser (red)            |
| Wavelength                         | 655 nm                 |
| Service Life (T = +25 °C)          | 50000 h                |
| Laser Class (EN 60825-1)           | 2                      |
| Max. Ambient Light                 | 4840 Lux               |
| Opening Angle                      | 60 °                   |
| Adjustable Scan Width              | yes                    |
| Barcode Printing Contrast          | > 25 %                 |
| Environmental conditions           |                        |
| Temperature Range                  | 0...50 °C              |
| Atmospheric humidity               | < 90%, non-condensing  |
| Electrical Data                    |                        |
| Supply Voltage                     | 10...28 V DC           |
| Power Consumption                  | 6480 mW                |
| Scan Rate                          | 300...1400 scans/sec   |
| Switching Output                   | Optoisolator           |
| Number of Switching Outputs        | 3                      |
| Switching Output/Switching Current | 100 mA                 |
| Reverse Polarity Protection        | yes                    |
| Network Possibilities              | Daisy Chain, Multidrop |
| Interface                          | RS-232/422/485         |
| Transmission rate                  | 115,2 Kbit/s           |
| Trigger Input                      | Optoisolator           |
| Signal Input                       | Optoisolator           |
| Number of Signal Inputs            | 3                      |
| Acoustic signal                    | yes                    |
| Protection Class                   | III                    |
| FDA Accession Number               | 8310057-012            |
| Mechanical Data                    |                        |
| Housing Material                   | Aluminum               |
| Optic Cover                        | Glass                  |
| Degree of Protection               | IP65                   |
| UL Enclosure Type                  | 1                      |
| Connection                         | M12 × 1; 12-pin        |
| PNP NO/NC switchable               | ●                      |
| NPN NO/NC switchable               | ●                      |
| RS-232 Interface                   | ●                      |
| RS-422 Interface                   | ●                      |
| RS-485 Interface (half duplex)     | ●                      |
| Connection Table No.               | <b>46</b>              |
| Control Panel No.                  | <b>Fi2</b>             |
| Suitable Connection Equipment No.  | <b>12 13</b>           |
| Suitable Mounting Technology No.   | <b>440 330</b>         |

### Complementary Products

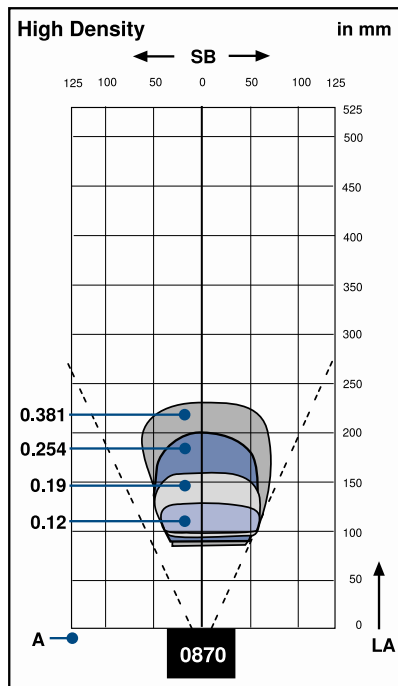
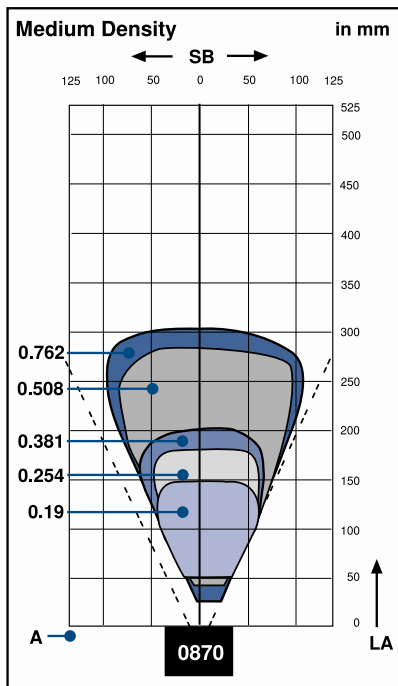
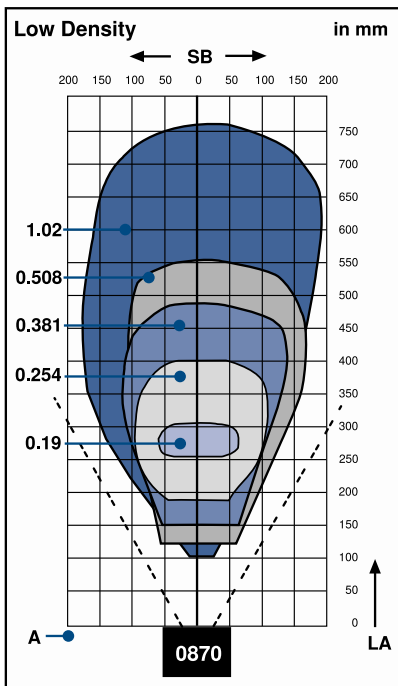
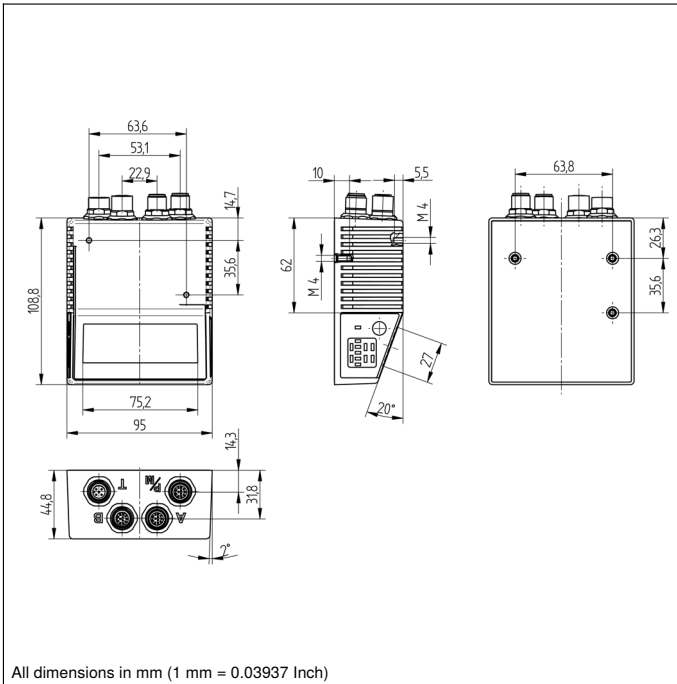
|                                     |  |
|-------------------------------------|--|
| Connection Box ZAA12NN01            |  |
| Fieldbus Gateway ZAGxxxN01, EPGG001 |  |
| Power Supply Unit NT10              |  |
| Software                            |  |

### Ctrl. Panel

Fi2



- 01 = Switching Status Indicator
- 04 = Function Indicator
- 06 = Teach Button
- 42 = Reading Performance 100 %/Good Read
- 43 = Reading Performance 80 %/Status/Trigger
- 44 = Reading Performance 60 %
- 45 = Reading Performance 40 %
- 46 = Reading Performance 20 %
- 48 = Network Status
- 76 = Network Tx enabled
- 77 = Network Rx enabled
- 78 = Module status



### Raster configuration

| Raster Sweep Angle | 0°...10° | 11°...20° | 21°...34° |
|--------------------|----------|-----------|-----------|
| Sweeps/sec         | 80       | 60        | 40        |

