

## SPECIFICATIONS

### Optical

#### Resolution & Reading Depth

| Series    | Max. Resolution | Max. Depth for 40mil |
|-----------|-----------------|----------------------|
| LAG-960LR | 6 mil (0.15mm)  | 230 cm               |
| LAG-960MR | 4 mil (0.1mm)   | 100 cm               |
| LAG-960NR | 5 mil (0.125mm) | 38 cm                |
| LAG-960TR | 4 mil (0.1mm)   | 25 cm                |

|                   |                     |
|-------------------|---------------------|
| Nominal scan rate | 100 or 33 scans/sec |
| Wavelength        | 670nm $\pm$ 10nm    |
| Maximum pitch     | $\pm$ 65 degrees    |
| Maximum skew      | $\pm$ 50 degrees    |

### Engineering Design

|                     |                                  |
|---------------------|----------------------------------|
| Power source        | +5VDC, $\pm$ 5%                  |
| Processor           | Intel 80C31                      |
| Decoder             | Proprietary                      |
| Body Material       | ABS                              |
| Current Consumption | 55mA~90mA(max.)<br>for undecoded |
| Weight              | 140g (without cable)             |
| Shock Resistance    | 1 meter drop onto concret        |

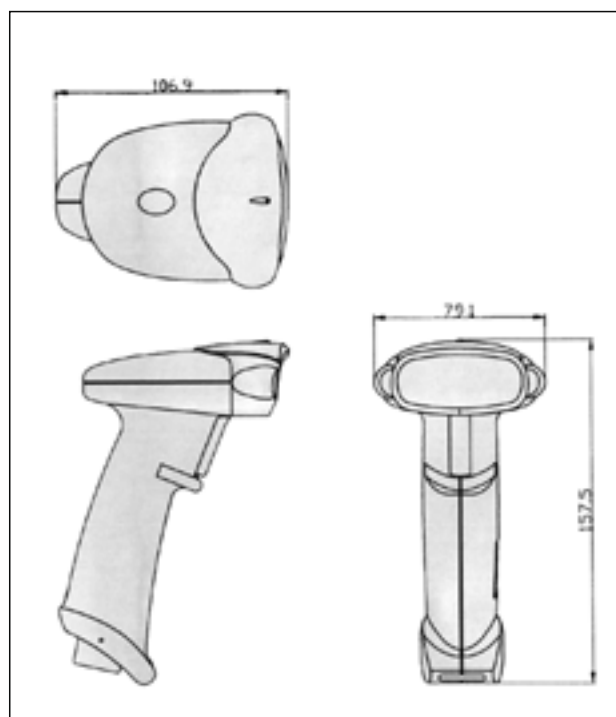
### Readable Barcodes

Code 39, Full ASCII Code 39, UPC/EAN/JAN, CODABAR, Interleaved 2/5, Code 128, Code 11, Code 93, MSI/PLESSEY, Code 4, etc.

### Operating Environment

|                       |                                        |
|-----------------------|----------------------------------------|
| Operating Temperature | 0°C to 50°C                            |
| Storage Temperature   | -20°C to 65°C                          |
| Relative Humidity     | 5% to 95% noncondensing                |
| EMI Emission          | FCC class A                            |
| Ambient Light         | 3,000 to 8,000 lux                     |
| Connectivity          | DB9, DB25, AMP,<br>RJ-45, RJ-11, DIN 5 |

## DIMENSIONS:



### Series

|           |                                                                     |
|-----------|---------------------------------------------------------------------|
| LAG-960LR | Long Range $\geq$ 230 cm                                            |
| LAG-960MR | Middle Range $\geq$ 100 cm                                          |
| LAG-960NR | Normal Range $\geq$ 38 cm                                           |
| LAG-960TR | User Adjustable Trigger & Triggerless<br>Reading Range $\geq$ 25 cm |

### Models - by interfaces

|               |                                        |
|---------------|----------------------------------------|
| LAG-960-T     | Undecoded model with TTL Output        |
| LAG-960-W     | Wand-emulation with built-in decoder   |
| LAG-960-R     | RS-232 interface with built-in decoder |
| LAG-960-K     | Keyboard wedge with built-in decoder   |
| LAG-960-K/R/W | Keyboard/RS-232/Wand, Three-in-One     |
| LAG-960-U     | USB interface                          |



**TYSSO**<sup>®</sup>  
Insist on the Best

Manufacturer

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- *Barcode Hand-held Laser Scanner with High Performace*
- *Long Range Model, Reading Distance  $\geq 2$  meters, can be Requested*



**TYSSO®**

Insist on the Best



- **Most Competitive Price in the World**
- **High Resolution, max. 4 mil (0.1mm)**
- **Lightweight, Easy for Hand-held**
- **Adjustable Trigger or Triggerless Operation**
- **Laser Engine and Decoder Module can be upon OEM Request**

### **Hol-960**

Optional Auto-Stand,  
offers hands-free scanning

## **LAG-960 Series**

### **FEATURES**

- High quality and high performance
- Full featured and full functions
- Wave length: 670mm
- Scan speed: 100 or 33 scans per second
- Reading depth: 0 to over 2 meter, depend on different series
- Reading width: Up to 65mm for contact reading  
Up to 250mm for reading depth of 380mm
- Reading PCS: 0.45 or larger reflection factor of space and margin
- Interfaces support: Keyboard wedge, RS-232, Wand emulation, TTL, USB, etc.
- Full functions of built-in decoder, software configuration, support reading most types of barcode.