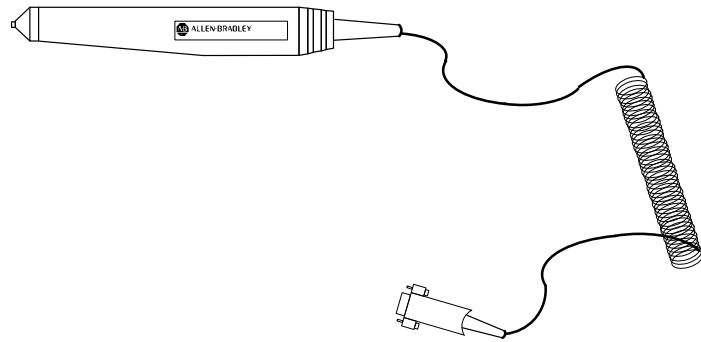




Bar Code Wands

(Catalog No. 2755-W1, -W2, -W5)

Product Data



Overview

Allen-Bradley Bar Code Scanning Wands have metal enclosures designed for industrial applications. Even though these bar code wands are designed for contact scanning, they can read through thick overlays or laminates (depending upon laminate thickness and wand angle).

Constructed of textured cast aluminum, the wand enclosure can withstand a G-force of five and a crush force of 300 pounds.

There are three types of wands:

- **Visible Red Wand**
Catalog No. **2755-W1** for scanning high density bar codes
- **Visible Red Wand**
Catalog No. **2755-W2** for scanning medium to low density bar codes
- **Infrared Wand**
Catalog No. **2755-W5** for scanning high density bar codes with at least 20% carbon content in printing ink

All Allen-Bradley wands are certified to meet Federal Commission (FCC) Class B standards.

Compatibility

Bar code scanning wands can be used with:

- Multi-Purpose Bar Code Workstation Catalog Number **2755-DH1**
- Keyboard Interface Reader, Catalog Number **2755-EZ2, -EZ3**
- Attended Workstation Family, Catalog Number **2708-DH5**

Features

Choice of Light Sources either visible red or infrared allows you to read almost any type of printed symbol.

High or Low Resolution accommodates different bar code densities. In addition, all wands:

- Have very low current drain
- Can operate in direct sunlight
- Have a scan angle of 0° to 45°
- Have a digital output
- Have a coiled cable
- Have a sealed sapphire tip that provides protection from dirt and debris
- Have a scanning speed of: 3 to 50 in/sec (7.6 to 127 cm/sec)

Specifications

Electrical

Connector	Male 9-pin D connector with two attaching screws
Supply Current	3.5 to 5.0 milliamperes
Output Voltage	0.4 volts
Scanning Speed	3 to 50 in/sec 7.6 to 127 cm/sec
Minimum Bar Width	
2755-W1	0.0075 inches (.19 mm)
2755-W2	0.013 inches (0.33mm)
2755-W5	0.0051 inches (0.13mm)

Mechanical

Dimensions (LxWxH)	6.20 in x 0.9 in x 0.69 in (158.0 mm x 23.9 mm x 17.6 mm)
Enclosure	Black, textured, cast aluminum
Light Source	
2755-W1,-W2	Visible Red (655 nm)
2755-W5	Infrared (880 nm)
Tip of Wand	Metal with replaceable sapphire tip
Ruggedness	Designed to withstand 5 G impact, 300 lbs (136 kg) crush force on enclosure
Cable	Strain relieved, 6 ft (1.8 meter) coiled cable
Cable Strain Relief	Multi-fold, withstands 25 lbs (11.3kg) pull and 10,000 cycles flexure

Environment

Operating Temperature	-4°F to 149°F (-20° to 65°C)
Non-Operating Temperature	-40°F to 167°F (-40° to 75°C)
Immunity to Ambient Light	Sunlight, 100 lux with little or no change to scanning angle

