MERLIN

Scan to Universal Machine or Network Interface for NC/CNC Machine Tools
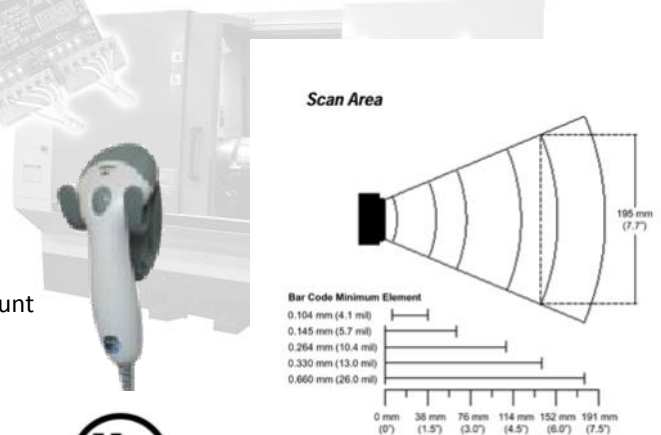
Ax2245 SCANGun Features:

With Memex's state-of-the-art scanning technology, the Ax2245 SCANGun has a longer working range and a wider scan field than a typical CCD. The width of the scan line grows as the scanner moves further away from bar codes. In addition, the laser beam pulses which make lining up bar codes easy, and when the scanner senses a bar code the laser beam automatically switches to scan mode and activates CodeGate to ensure high-speed scanning and accuracy.

The Connectivity Configurations

Ax2245 SCANGun is a single-line, hand-held laser scanner configured to operate specifically with the Ax9150 UMI or Mx1053 UNI. CodeGate technology allows the user to easily target the desired bar code and complete the data transmission with a simple press of a button.

Optional Wall Mount

Scan Area

195 mm (7.7")

Bar Code Minimum Element

0.104 mm (4.1 mil)
0.145 mm (5.7 mil)
0.264 mm (10.4 mil)
0.330 mm (13.0 mil)
0.660 mm (26.0 mil)

0 mm (0°) 38 mm (1.5°) 76 mm (3.0°) 114 mm (4.5°) 152 mm (6.0°) 191 mm (7.5°)

CAUTION
INVISIBLE LASER RADIATION WHEN OPEN
DO NOT STARE INTO BEAM OR VIEW WITH OPTICAL INSTRUMENTS
CLASS I LASER PRODUCT

CODE 128 — Jackdaws lo

CODE 39 — Jackdaws lo

EAN — Jackdaws lo

c(UL)us

Manufacturing **E**xecution **R**eal-time **L**ean **I**nformation **N**etwork

MERLIN is a Manufacturing Operations Management System for the communication and execution of production, ***Connecting the Shop Floor to Top Floor.***

OPERATIONAL

Light Source	Visible Laser Diode 650 nm ± 5 nm
Laser Power	< 1.0 mW @ peak power
Depth of Scan Field	0 mm - 140 mm (0" - 5.5") for 0.330 mm (13 mil) bar codes
Width of Scan Field	49 mm (1.9") @ face; 195 mm (7.7") @ 140 mm (5.5")
Scan Speed	72 scan lines per second
Scan Pattern	Single scan line
Minimum Bar Width	0.102 mm (4.0 mil)
Decode Capability	Auto discriminates all standard bar codes; for other symbologies call Metrologic
System Interfaces	RS232, PC Keyboard Wedge, Stand-Alone Keyboard, USB
Print Contrast	35% minimum reflectance difference
Roll, Pitch, Yaw	42°, 68°, 52°
Beeper Operation	7 tones or no beep
Number Characters Read	Up to 80 data characters
Indicators (LED)	Red = Good read / Green = Laser on, ready to scan

Length	169 mm (6.7")
Width	63 mm (2.5"); at head / 63 mm (2.5"); at handle
Height	35 mm (1.4"); at head / 31 mm (1.2"); at handle
Weight (w/o cable)	97 g (3.41 oz)
Termination	10 pin modular RJ45
Cable	Standard 1.5 m (5') straight; optional 2.7m (9') coiled

Input Voltage	5 VDC ± 0.25 V
Power	675 mW
Current Operating	135 mA @ 5VDC
DC Transformers	Class 2; 5.2 VDC @ 200 mA; or Class 2, 5.2 VDC @ 650 mA
Laser Class	CDRH: Class II; IEC 60825-1:1993+A1:1997+A2:2001 Class 1
EMC	Class B: FCC Part 15, ICES-003, European Union EMC Directive