

TECHNICAL DATA

Dimensions	215.5 x 170.5 x 126.5 mm (8.48 x 6.71 x 4.98 in)	280 x 254 x 195 mm (11.03 x 10 x 7.68 in)
Weight	5.0 Kg (176.3 oz.)	6.4 Kg (225.7 oz.)
Case material	Aluminum	
Operating temperature	0 to 50 °C (32 to 122 °F)	
Storage temperature	-20 to 70 °C (-4 to 158 °F)	
Humidity	90% non condensing	
Vibration resistance	IEC 68-2-6 test FC 1.5mm; 10 to 55 Hz; 2 hours on each axis	
Shock resistance	IEC 68-2-27 test EA 30 G 11 ms; OM: 15 G 11 ms; 3 shocks on each axis	
Protection class	IP64 for standard models; IP65 on request	
Light source	Visible laser diode (630 to 680 nm)	
Scanning speed	1000 scans/s	
Resolution	See diagrams	
Readable symbologies	22 symbologies including 2/5 family, Code39, Code93, Code128, EAN/UPC, EAN128, ISBN128	
Multilabel reading	Up to 10 different symbologies during the same reading phase	
Communication interfaces	Main Port: RS232/RS485 up to 115.2 Kbit/s Auxiliary Port: RS232 up to 115.2 Kbit/s	
Other available interfaces	Lonworks (Master/Slave), Ethernet (optional)	
Digital inputs	Three SW programmable and One "Encoder", optocoupled, NPN/PNP	
Digital outputs	Three SW programmable, optocoupled, event driven	
Display & keypad	LCD 16 x 2 characters & 3 keys	
Led indicators	1) Power On (red) Good Read (red); 2) Trigger (yellow) TX Data (green); 3) Encoder (yellow) Network (red)	
Device programming	Windows™ based SW (Genius™) via serial or Ethernet link Serial Host Mode Programming sequences	
Operating modes	'On-line', 'Serial On-line', 'Automatic', 'Continuous', 'PackTrack™', 'Test'	
Laser classification	Class 2 - EN60825-1; Class II - CDRH	
Laser control	Safety system to turn laser off in cases of motor slowdown or failure	
Power supply	20 to 30 VDC	
Power consumption	20 W typical, 30 W max	

MODELS

ORDER NO.	DESCRIPTION
932402742	DS8100A-3030, VERY HIGH RES, LINEAR
932402743	DS8100A-3130, VERY HIGH RES, LINEAR, ETH
932402744	DS8100A-3035, VERY HIGH RES, OM
932402745	DS8100A-3135, VERY HIGH RES, OM, ETH
932402746	DS8100A-3020, HIGH RES, LINEAR
932402747	DS8100A-3120, HIGH RES, LINEAR, ETH
932402748	DS8100A-3025, HIGH RES, OM
932402749	DS8100A-3125, HIGH RES, OM, ETH
932402750	DS8100A-3010, MEDIUM RES, LINEAR
932402751	DS8100A-3110, MEDIUM RES, LINEAR, ETH
932402752	DS8100A-3015, MEDIUM RES, OM
932402753	DS8100A-3115, MEDIUM RES, OM, ETH
932402754	DS8100A-3000, LOW RES, LINEAR
932402755	DS8100A-3100, LOW RES, LINEAR, ETH
932402756	DS8100A-3005, LOW RES, OM
932402757	DS8100A-3105, LOW RES, OM, ETH
932402772	DS8100A-2010 MED RES, LIN, DOUBLE LAS
932402773	DS8100A-2110 MED RES,LIN,DOUBLE LAS,ETH
932402758	DS8100A-3002, LOW RES, LIN.,BHS

ACCESSORIES

ORDER NO.	DESCRIPTION
93ACC1430	ACS-81 AIR CLEANING SYSTEM
93ACC1792	BK-8200 BRACKET 15 DEG
93A051298	BT-8100 TERMINATOR 8K FAMILY
93ACC1090	BTK-8100 BUS TERMINATOR KIT (5PCS)
93A051287	BTK-8102 DOUBLE TERMINATOR KIT (2 PCS)
93A051286	BTK-8500 IP65 TERMINATOR KIT (2 PCS)
93A051000	CAB-8005 CABLE SCANNER CONTROLLER 5m
93A051010	CAB-8010 CABLE SCANNER CONTROLLER 10m
93ACC1120	CAB-8100 10 WIRES SHIELD D 9.5mm, 50m
93A051020	CAB-8101 CABLE SCANNER SCANNER 1.2m
93A051030	CAB-8102 CABLE SCANNER SCANNER 2.5m
93A051040	CAB-8105 CABLE SCANNER SCANNER 5m
93A051268	CAB-8305 POWER & TERMINATION CABLE 5 M
93A051336	CAB-8310 POWER AND BUS RETURN CABLE 10M
93ACC1758	CAB-8402 NO POWER CABLE FAM 8K 2,5m
93ACC1759	CAB-8405 NO POWER CABLE FAM 8K 5m
93A051283	CAB-8501 IP65 CABLE FAM 8K 1,2m
93A051284	CAB-8502 IP65 CABLE FAM 8K 2,5m
93A051285	CAB-8505 IP65 CABLE FAM 8K 5 m
93A051290	CAB-8605 POWER+2TERM. CABLE FAM 8K 5m
93A051295	CAB-PWO 03 CABLE PWO TO PWO, 3M
93A051338	CAB-SC6003 25P SC6K TO PWO, I/O, 3M
93A051337	CAB-SC6013 25p SC6K TO PWO, PWR/NET, 3m
93A051294	CAB-SC6103 9p CAB SC6000 TO PWR, 3m
93ACC1130	FBK-8100 FAST BRACKET KIT (2PCS)
93ACC1750	FS-1 FRAME SHAPER (8PCS)
93ACC1878	FS-2 SMART FRAME SHAPER (2 PCS)
93A251020	GFC-80 90 DEGREES MIRROR DS8100
93A201103	GFC-800 90 DEG MIRROR CL. DIST. DS8100
93ACC1280	PLL-8000 OPTOCOUPLED PLL DEVICE
93ACC1767	PWO-480 POWER OMNI SYSTEM 480W
93ACC1530	PWR-120-JBOX POWER UNIT 110/230VAC 24V
93ACC1070	PWR-240-JBOX POWER UNIT 110/230VAC 24V
93ACC1757	UPT-80 DX8200A-DX8200 ADAPTER
93ACC1140	US-8100 BRACKET KIT (10PCS) DS8100
93A051355	CAB-F01 6K/8K FBUS CABLE TO CBX 1M
93A051356	CAB-F02 6K/8K FBUS CABLE TO CBX 2M
93A051357	CAB-F05 6K/8K FBUS CABLE TO CBX 5M
93A051288	CAB-6502 FAM 6K-8K CABLE 2,5m
93A051289	CAB-6505 FAM 6K-8K CABLE 5m
93ACC1600	OEK-1 OPTICAL ENCODER KIT+ CABLE 10m
93ACC1770	OEK-2 OPTICAL ENCODER (CAB 10m+SPRING)
93ACC1791	MEP-593 PHOTOCCELL KIT