

焊道追蹤™ 系統

機械化自動化



Seam Tracker Advanced Programming Control (K52021-1) with Advanced Pendant (K52023-1)

精準的自動焊道追蹤

Lincoln Electric 林肯® 的觸覺式焊道追蹤系統可傳遞精準的自動焊道追蹤，潛弧焊、GMAW、FCAW與GTAW焊接程序皆可使用。適用於重複的焊接應用。此系統建議用於手動和半自動焊接，提升品質與穩定性的同時也可降低操作成本。標準化系統或客製化解決方案可符合多數嚴苛生產環境的要求。

焊接工藝»

潛弧焊, TIG, MIG, 包藥

焊接應用»

桶槽, 管件, 壓力容器, 樑和加強筋, 輪框, 風力發電產業

輸入»

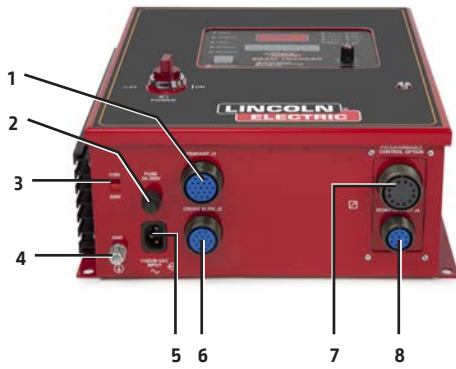


產品編號»

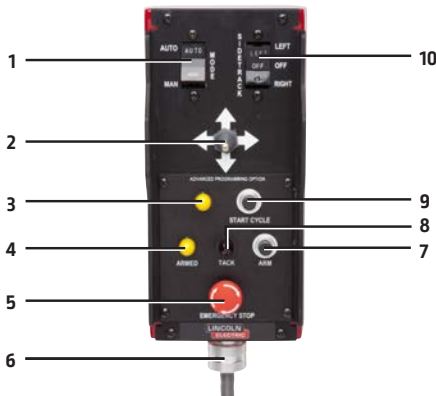
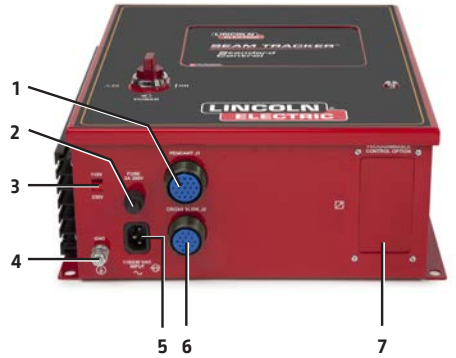
詳細規格見第4頁



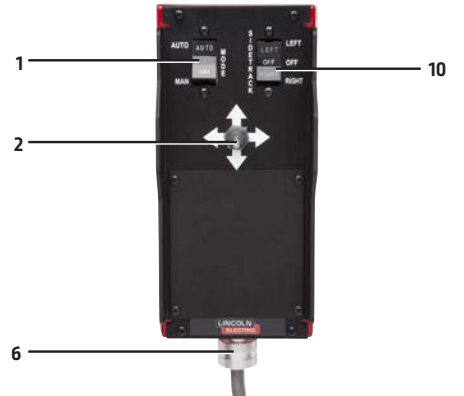
- 80 LED8jD
- 0 LED (19 0)
- 80 m8UD
- ,80 – for Tack and/or Auto Cutoff
- 0 LEDD
- (8a80)
- pj



- J1 8-
- 8 (2A, 250V)
- 115/230 i)eD
- 88
- i)e8- (115/230 VAC)
- J28
- J3 8ib- (6z88D)
- J4 8j)b-



- 80 – 0
- 0 8jD
- Tack Armed Light
- aD
- e8D
- Tack Arm Button
- Tack Light
- 0
- Sidetrack Control (Left/Off/Right)



88

88™ z8D CS250 CS450 (K52016-1)	80™ z8D CS 40 (K52057-1)	80™ z8D (K52020-1)	8 0™ 8D CS250 CS450 (K52017-1)	80™ 8D CS 40 (K52028-1)	8 0™ 8D (K52021-1)
.

STANDARD SPECIFICATIONS

Product Name	Product Number	Load Capacity lb (kg) @ in (mm) from faceplate	Input Power Voltage/Phase/Hertz	H x W x D in (mm)	Weight lb (kg)
Seam Tracker™ Standard Control Package for CS250 and CS450 [Control, Pendant and Cables]	K52016-1	250 (113) @ 12 (305) 450 (204) @ 24 (610)	120/230/1/50/60	5 x 5 (127 x 127) 10 x 10 (254 x 254)	CS250: 5 x 5 = 105 (48) 10 x 10 = 118 (54) CS450: 5 x 5 = 162 (74) 10 x 10 = 178 (81)
Seam Tracker™ Standard Control Package for CS40 [Control, Pendant and Cables]	K52057-1	40 (18) @ 6 (152)		3 x 3 (76 x 76) 6 x 6 (152 x 152)	3 x 3 = 79 (36) 6 x 6 = 90 (41)
Seam Tracker™ Standard Control Unit	K52020-1	N/A		N/A	33 (15)
Seam Tracker™ Advanced Programming Control Package for CS250 and CS450 [Control, Pendant and Cables]	K52017-1	250 (113) @ 12 (305) 450 (204) @ 24 (610)		5 x 5 (127 x 127) 10 x 10 (254 x 254)	CS250: 5 x 5 = 105 (48) 10 x 10 = 118 (54) CS450: 5 x 5 = 162 (74) 10 x 10 = 178 (81)
Seam Tracker™ Advanced Programming Control Package for CS40 [Control, Pendant and Cables]	K52058-1	40 (18) @ 6 (152)		3 x 3 (76 x 76) 6 x 6 (152 x 152)	3 x 3 = 79 (36) 6 x 6 = 90 (41)
Seam Tracker™ Advanced Programming Control Unit	K52021-1	N/A		N/A	33 (15)

CROSS SLIDE ASSEMBLIES

Product Name	Product Number	Load Capacity lb (kg) @ in (mm) from faceplate	Travel Speed ipm (m/min)	H x W x D in (mm)	Weight lb (kg)
CS40 Cross Slide 3 x 3 (76x76)	K52013-0303	40 (18) @ 6 (152)	24 (0.61) max	3 x 3 (76 x 76)	19 (9)
CS40 Cross Slide 6 x 6 (152x152)	K52013-0606			6 x 6 (152 x 152)	22 (10)
CS250 Cross Slide 5 x 5 (127x127)	K52014-0505	250 (113) @ 12 (305)	32 (0.81) max	5 x 5 (127 x 127)	60 (27)
CS250 Cross Slide 10x10 (254x254)	K52014-1010			10 x 10 (254 x 254)	73 (33)
CS450 Cross Slide 5 x 5 (127x127)	K52015-0505	450 (204) @ 24 (610)	17 (0.43) max	5 x 5 (127 x 127)	107 (49)
CS450 Cross Slide 10x10 (254x254)	K52015-1010			10 x 10 (254 x 254)	120 (54)

TRAVEL/TRACKING SPECIFICATIONS

Product Name	Product Number	Standard Stroke Lengths in (mm)	Minimum Envelope Stroke in (mm)	Tracking Accuracy in (mm)	Travel Speed ipm (m/min)	Tracking Controls
Seam Tracker™ Standard Control Package for CS250 and CS450 [Control, Pendant and Cables]	K52016-1	5 x 5 (127 x 127) 10 x 10 (254 x 254)	CS250: 5 x 5 (127 x 127) stroke = 17 (432) diameter CS450: 10 x 10 (127 x 127) stroke = 22.5 (572) diameter	Within 0.005 (0.127)	CS250: 32 (0.81) max CS450: 17 (0.43) max	Automatic Control with Seam Sensor or Manual Up/Down and Left/Right with Pendant
Seam Tracker™ Standard Control Package for CS40 [Control, Pendant and Cables]	K52057-1	3 x 3 (76 x 76) 6 x 6 (152 x 152)	3 x 3 (76 x 76) stroke = 12 (305) diameter		24 (0.61) max	
Seam Tracker™ Advanced Programming Control Package for CS250 and CS450 [Control, Pendant and Cables]	K52017-1	5 x 5 (127 x 127) 10 x 10 (254 x 254)	CS250: 5 x 5 (127 x 127) stroke = 17 (432) diameter CS450: 10 x 10 (127 x 127) stroke = 22.5 in (572 mm) diameter		CS250: 32 (0.81) max CS450: 17 (0.43) max	
Seam Tracker™ Advanced Programming Control Package for CS40 [Control, Pendant and Cables]	K52058-1	3 x 3 (76 x 76) 6 x 6 (152 x 152)	3 x 3 (76 x 76) stroke = 12 (305) diameter		24 (0.61) max	

WHAT'S INCLUDED

Product Name	Product Number	Standard Seam Tracking Systems						Complete Advanced Programming Control Systems					
		ST140 3 x 3 in (76 x 76 mm) Standard System One-Pak® K52004-0303	ST140 6 x 6 in (152 x 152 mm) Standard System One-Pak K52004-0606	ST250 5 x 5 in (127 x 127 mm) Standard System One-Pak K52007-0505	ST250 10 x 10 in (254 x 254 mm) Standard System One-Pak K52007-1010	ST450 5 x 5 in (127 x 127 mm) Standard System One-Pak K52010-0505	ST450 10 x 10 in (254 x 254 mm) Standard System One-Pak K52010-1010	ST140 3 x 3 in (76 x 76 mm) System w/APC One-Pak® K52005-0303	ST140 6 x 6 in (152 x 152 mm) System w/APC One-Pak® K52005-0606	ST250 5 x 5 in (127 x 127 mm) System w/APC One-Pak K52008-0505	ST250 10 x 10 in (254 x 254 mm) System w/APC One-Pak K52008-1010	ST450 5 x 5 in (127 x 127 mm) System w/APC One-Pak K52011-0505	ST450 10 x 10 in (254 x 254 mm) System w/APC One-Pak K52011-1010
SEAM TRACKER™ CONTROL – SELECT ONE													
Advanced Programming Control	K52021-1							•	•	•	•	•	•
Standard Control	K52020-1	•	•	•	•	•	•						
PENDANT – SELECT ONE													
Advanced Process Pendant w/ 10 ft (3 m) Cable	K52023-1							•	•	•	•	•	•
Standard Pendant w/ 10 ft (3 m) Cable	K52022-1	•	•	•	•	•	•						
CABLES													
4 ft (1.2 m)	K52033-1	•	•	•	•	•	•	•	•	•	•	•	•
10 ft (3 m)	K52030-1			•	•	•	•			•	•	•	•
CROSS SLIDE ASSEMBLY – SELECT ONE													
CS40 Cross Slide 3x3 (76x76)	K52013-0303	•							•				
CS40 Cross Slide 6x6 (152x152)	K52013-0606		•							•			
CS250 Cross Slide 5x5 (127x127)	K52014-0505			•							•		
CS250 Cross Slide 10x10 (254x254)	K52014-1010				•							•	
CS450 Cross Slide 5x5 (127x127)	K52015-0505					•							•
CS450 Cross Slide 10x10 (254x254)	K52015-1010						•						•
SEAM SENSOR COMPONENTS													
Seam Sensor Assembly	K52019-1	•	•	•	•	•	•	•	•	•	•	•	•
五軸探針座	KP52026-1	•	•	•	•	•	•	•	•	•	•	•	•
Weld Torch Mounting Kit	KP52027-1	•	•	•	•	•	•	•	•	•	•	•	•
Sensor Insulator	KP52029-1	•	•	•	•	•	•	•	•	•	•	•	•
Seam Sensor Tip PT012 1/8 in (3.2 mm)	KP52028-1	•	•	•	•	•	•	•	•	•	•	•	•

ACCESSORIES

Part Number	Description	Part Number	Description	Part Number	Description
K52019-1	Seam Sensor Assembly	KP52047-1	PT006 Tip 1/16 in [1.6 mm] Round	KP52037-1	ST01 Tip, Blade and Roller
KP52026-1	Five-Axis Probe Bracket	KP52028-1	PT012 Tip 1/8 in [3.2 mm] Round	KP52038-1	ST03 Tip, Side Extension
KP52027-1	Weld Torch Mounting Kit	KP52053-1	PT025 Tip 1/4 in [6.4 mm] Ball	KP52039-1	ST07 Tip, Tack Weld Groove
K52033-1	Sensor Cable Assembly – 4 ft [1.2 m]	KP52052-1	PT038 Tip 3/8 in [9.5 mm] Ball	KP52040-1	ST09 Tip, Two-Wheel Override
K52030-1	Drive Cable – 10 ft [3 m]	KP52051-1	PT050 Tip 1/2 in [12.7 mm] Ball	KP52041-1	ST04 Tip, Curved Side Extension
KP52029-1	Sensor Insulator	KP52050-1	PT063 Tip 5/8 in [16 mm] Ball	KP52042-1	ST12 Tip, Single Wheel
KP52054-1	High Temperature Sensor Insulator Assembly	KP52049-1	PT075 Tip 3/4 in [19 mm] Ball	KP52043-1	ST08 Tip, Tack Weld Fillet
KP52055-1	TX03 Extension Tip, 3 in [76 mm]	KP52048-1	PT100 Tip 1 in [25 mm] 球状	KP52044-1	ST11 Tip, Curved
KP52056-1	High Temperature Sensor Insulator			KP52045-1	ST13 Tip, Twin Tip



Seam Sensor K52019-1 shown with Extension Tip and 1/8 in tip

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