



Caring Beyond Our Products

Parts List Middex Tool Monitors

System	Part	Part#	Comment
WK-1T & WK-4T	Controller 24/110V	9002	only repairs made, replaced with WK2
	Controller 24V	9006	only repairs made, replaced with WK2
	Sensor WKR22-45	9020	dia. 22mm sensor, 45° right turning
	Sensor WKR22-60	9021	dia. 22mm sensor, 60° right turning
	Sensor WKR22-90	9022	dia. 22mm sensor, 90° right turning
	Sensor WKR22-120	9023	dia. 22mm sensor, 120° right turning
	Sensor WKR22-180	9024	dia. 22mm sensor, 180° right turning
	Sensor WKL22-45	9030	dia. 22mm sensor, 45° left turning
	Sensor WKL22-60	9031	dia. 22mm sensor, 60° left turning
	Sensor WKL22-90	9032	dia. 22mm sensor, 90° left turning
	Sensor WKL22-120	9033	dia. 22mm sensor, 120° left turning
	Sensor WKL22-180	9034	dia. 22mm sensor, 180° left turning
Cables	3m (9') 90° connector	9026	plug on sensor end, open leads on other
	5m (16') 90° connector	9027	plug on sensor end, open leads on other
	10m (30') 90° connector	9028	plug on sensor end, open leads on other
	20m (60') 90° connector	9038	plug on sensor end, open leads on other
	3m (9') straight connector	9035	plug on sensor end, open leads on other
	5m (16') straight connector	9036	plug on sensor end, open leads on other
	10m (30') straight connector	9037	plug on sensor end, open leads on other
Probe Assemblies see WK1 section below			
WK1 WK1A	Controller 24V/24Vdc	9011	24Vdc PLC cards, replaced with WK2
	Controller 24V/115Vac	9012	cancelled, serviced only, replaced with WK2
	Sensor WKLR22-45	9050	dia. 22mm sensor, 45° left/right turning
	Sensor WKLR22-60	9051	dia. 22mm sensor, 60° left/right turning
	Sensor WKLR22-90	9052	dia. 22mm sensor, 90° left/right turning
	Sensor WKLR22-120	9053	dia. 22mm sensor, 120° left/right turning
	Sensor WKLR22-180	9054	dia. 22mm sensor, 180° left/right turning
	Sensor WKLR32-45	9060	dia. 32mm sensor, 45° left/right turning
	Sensor WKLR32-60	9061	dia. 32mm sensor, 60° left/right turning
	Sensor WKLR32-90	9062	dia. 32mm sensor, 90° left/right turning
	Sensor WKLR32-120	9063	dia. 32mm sensor, 120° left/right turning
	Sensor WKLR32-180	9064	dia. 32mm sensor, 180° left/right turning
	Cables	3m (9') 90° connector	9026
5m (16') 90° connector		9027	plug on sensor end, open leads on other
10m (30') 90° connector		9028	plug on sensor end, open leads on other
20m (60') 90° connector		9038	plug on sensor end, open leads on other
3m (9') straight connector		9035	plug on sensor end, open leads on other
5m (16') straight connector		9036	plug on sensor end, open leads on other
10m (30') straight connector		9037	plug on sensor end, open leads on other
Probe - Assemblies	100mm (4") steel, brass end	9055	dia. 13x13mm probe holder (old #: 9070-B)
	130mm (5") steel	9071-B	dia. 13x13mm probe holder
	150mm (6") steel	9072-B	dia. 13x13mm probe holder
	200mm (8") steel	9073-B	dia. 13x13mm probe holder
	100mm (4") steel, carbide end	9070	dia. 13x13mm probe holder, wear resistant
	130mm (5") steel, carbide end	9071-H	dia. 13x13mm probe holder, wear resistant
	150mm (6") steel, carbide end	9072-H	dia. 13x13mm probe holder, wear resistant
WK2	Controller 24Vdc	9400	24Vdc PLC cards, replacing WK1, WK1T, WK4T
	Sensor WK2	9401	dia. 22mm, 15° to 270° left/right turning, with probe
WK2A	Controller 24Vdc	9420	pnp, npn, latching/non latching, inverting outputs replacing WK2, WK2S
WK2S	Controller 24Vdc	9431	pnp, npn, latching/non-latching, inverting outputs
Cables	5m (16') 90° connector	9402	plug on sensor end, open leads on other
	10m (30') 90° connector	9403	plug on sensor end, open leads on other
	20m (65') 90° connector	9404	plug on sensor end, open leads on other continues...



Caring Beyond Our Products

System	Part	Part#	Comment
Assemblies	160mm (6-1/4") steel, standard	9411	complete probe assembly with shavings deflector
Probe only	160mm steel, carbide end	9412	cap at end of needle in carbide, wear resistant
	200mm steel, carbide end	9413	cap at end of needle in carbide, wear resistant
	Probe holder only	9410	complete holder, without steel probe
WK3	Controller WK3A	9450	24 Vdc
	Sensor WK3TA	9451	dia. 32mm, 10° - 270° left/right, without probe
	Mounting bracket (BKS1)	9107	threaded M5, see installation manual
Cables	5m (9') 90° connector	9455	plug on sensor end, open leads on other
	10m (32') 90° connector	9456	plug on sensor end, open leads on other
Probe Assemblies	100mm (4") carbon fiber	9462	probe holder and carbon rod
	200mm (8") carbon fiber	9463	probe holder and carbon rod
	270mm (10.5") carbon fiber	9464	probe holder and carbon rod
WK5	Controller WK5	9550	24V, pnp, especially for small tools
	Sensor WKT5	9554	one tool, especially for small tools
Cables	5m (9') straight connector	9557	plugs on both ends
	10m (32') straight connector	9558	plugs on both ends
Probe Assembly	160mm (6-1/4") carbon, standard	9556	complete probe assembly
BKS1	Controller BKS1	9100	one/two tools
BKS1S	Controller BKS1S	9109	one/two tools, replaces BKS1, expanded features
	Sensor BKS1	9101	dia. 32mm, one/two tools
Cables	Mounting bracket BKS1	9107	threaded M5, see installation manual
	10m (32') straight connector	9118	plugs on one, open leads on other end, BKS1S
	20m (65') straight connector	9119	plugs on one, open leads on other end, BKS1S
Cables	5m (16') straight connector	9102	plugs on both ends, BKS1
	10m (32') straight connector	9103	plugs on both ends, BKS1
	20m (65') straight connector	9104	plugs on both ends, BKS1
Probe - Assemblies	150mm (6") steel, standard	9072-B	dia. 13x13mm probe holder
	200mm (8") steel	9073-B	dia. 13x13mm probe holder
	150mm (6") steel, carbide end	9072-H	dia. 13x13mm probe holder, wear resistant
Peripheral - Units	Power supply PS1A	9015	110/220V/24Vdc (**WK1, WK2, WK3, WK5, BKS1S)
	Interface RIF1	9040	relay only
	Interface PSIF1A	9045	power supply & relay, 110V/24Vdc (**...)
	Interface PSIF1A	9046	power supply & relay, 220V/24Vdc (**...)
TCS1	Controller TCS1	9005	*** Cancelled, serviced only
	Sensor TCS1	9025	***
	Mounting bracket TCS1	9029	***
	Sensor bar 50mm type 1	9080	***
	Sensor bar 100mm type 1	9081	***
	Sensor bar 50mm type 2	9082	***
	Sensor bar 100mm type 2	9083	***
	Sensor bar 50mm type 3	9084	***
	Sensor bar 100mm type 3	9085	***
	Cables	3m (9') straight connector	9068
5m (16') straight connector		9069	***, plug on sensor end, open leads on other
10m (32') straight connector		9075	***, plug on sensor end, open leads on other

All text, technical data, measurements and samples were prepared thoroughly. However Middex Electronic and CIRO Products Ltd. cannot be held liable for errors and omissions. Middex Electronic and CIRO Products Ltd. reserve the right to improve or change the design of hard and software and make changes to the technical documentation without further notice.

CIRO Products Ltd
PO Box 1432
Hickory 28603-1432 USA

Toll free: (888) ASK CIRO
Phone: (828) 345-6030
Fax: (828) 345-6013

Web: www.ciro.com
E-mail: info@ciro.com