

Recommended Spare Parts List
Model 42i (NO-NO2-NOx) Analyzer

Manufacturer p/n	Cemtrex p/n	Description
100480-00	20-266-1001	Keypad Membrane Assembly
100533-00	20-266-1002	Mother Board
100536-01	20-266-1003	Measurement Interface Board, 17i, 42i, 42i-D, 42i-HL, 42i-LS
100539-00	20-266-1004	Digital Output Board
100542-00	20-266-1005	I/O Expansion Board (optional)
100545-00	20-266-1006	Input Board, Model 42i
100617-00	20-266-1007	O-Ring I.D. 2.362 ± 0.020
100856-00	20-266-1008	Temperature Control Board, 42i Moly Converter
100856-01	20-266-1009	Temperature Control Board, 42i Stainless Steel Converter
100907-00	20-266-1010	Fan, 24vdc
101009-00	20-227-1007	Converter Assy, Moly
101011-00	20-266-1011	Replaced with 101011-01
101011-01	20-266-1012	Pump, KNF 110VAC with Plate, Fittings and Bumper Kit
101016-00	20-547-0012	Silica Scrubber Assembly
101020-00	20-266-1013	Cooler Assembly (Use 9995)
101021-00	20-266-1014	Flow Sensor (Sample)
101023-00	20-266-1015	Pressure Transducer Assembly
101024-00	20-266-1016	PMT High Voltage Supply
101035-00	20-266-1017	Cable Assy, 24v PS AC input
101036-00	20-266-1018	Cable Assy, 24v PS DC output
101037-00	20-266-1019	Cable, AC Mother to Interface Board
101038-00	20-266-1020	Cable, AC Switch-Mother Board (replaces 101033-00)
101048-00	20-266-1021	Cable, RS485 Mother Bd to Interface Bd
101050-00	20-266-1022	Cable Assy, Heater Power Temp Control AC
101054-00	20-266-1023	Cable, Mother Board to Front Panel Board
101055-00	20-266-1024	Assembly, Power Receptical
101267-00	20-266-1025	Cable, Fan Power
101324-00	20-266-1026	PMT Base Socket Assembly
10134	20-266-1027	FITTING, FEMALE RUN TEE, SS, 1
101346-00	20-266-1028	Cable, AC, Temperature Control
101349-00	20-266-1029	Power Cord (US)
101350-00	20-266-1030	Manual, 42i
101355-01	20-266-1031	ASSY, CBL iSERies (all except 42i SERIES, 17i SEE -02)
101355-02	20-266-1032	ASSY, CBL SHIELDED, 42i SERIES, 17i
101364-00	20-266-1033	Assembly Cable, Power Status
101377-00	20-266-1034	Cable, AC to Power Switch
101390-00	20-320-0071	Solenoid Valve (no-nox switch)
101394-00	20-266-1035	ASSY TUBING, 1/4-INCH
101399-00	20-266-1036	Transformer, 200-240 Volt Step-down

101405-00	20-266-1037	SCREW, SS, PAN Hd, #6-32 X 1/4"
101411-00	20-266-1038	Permeation Oven Assembly
101419-00	20-227-1001	Ozonator Transformer Assembly
101491-01	20-266-1039	Processor Board, Model 42i
101620-00	20-266-1040	Flow Switch (ozone)
101680-00	20-320-0074	Ammonia Scrubber
101681-00	20-266-1041	Power Supply, 24vdc
101688-00	20-266-1042	Thermistor with Ambient Temperature Connector, Assy
101695-00	20-266-1043	Cable Assy, Permeation Oven
10179	20-266-1044	DRYER, PERMEATION (MODEL 42)
101863-00	20-266-1045	Transformer, 100 VAC Step-up
101904-00	20-266-1046	Fuse, 2A
101905-00	20-541-0015	Fuse, 4A
102029-01	20-266-1047	Thermistor and Cap Assembly
102055-00	20-266-1048	Assembly Flow Transducer, Bypass Option
102340-00	20-266-1049	Front Panel Connector Board
102496-00	20-266-1050	Front Panel Display
102606-00	20-266-1051	Manual, iPort
102635-00	20-266-1052	MNT, VIBRATE
102645-00	20-266-1053	Cable Assy, DB37M to Open End Cable, Six Feet (Option)
102888-00	20-266-1054	I/O Connector, DB37 to Terminal Board
102891-00	20-266-1055	D/O Connector, DB37 to Terminal Board
103084-00	20-266-1056	I/O Connector, DB25 to Terminal Board
103246-00	20-266-1057	Heater/thermistor Assembly, 42i
105080-00	20-266-1058	KIT, 42i SPARES
105081-00	20-266-1059	KIT, 42i EXTENDED MAINTENANCE
107315-00	20-266-1060	Power Cord for 220V (China Only)
107751-00	20-547-0016	Pump Repair Kit, for 109127-00, 109128-00 & 109123-00 or 101011-00
109116-00	20-266-1061	HEATER, FAST HEAT 120V, 130W (w/insulators and Work Instructions) replaces 103860-02
109604-00	20-266-1062	HEATER, FAST HEAT 120V, 60W (w/insulators and Work Instructions) (Replaces 103860-04)
112021-00	20-266-1063	Shock Bumper Kit for internal pump 101426-00, 111553-00, 101011-00, 102639-00
11237	20-266-1064	Assembly Fuse Drawer, 220VAC
11290	20-547-0019	RECEPTACLE FUSE DRAWER
11486	20-266-1065	CONN, 2-PIN AMP#172165-1
13370	20-266-1066	SAMPLE DRIER PERMEATION
13981	20-266-1067	HEATER, CONVERTER (Use 103860-02)
13983	20-251-4609	HEATER, CONVERTER 115/60 MOLY (use 103860-04)
14995	20-266-1068	CONN, 2-PIN APMP#172165-1
15209	20-266-1069	CONNECTOR PORT 2pc316
4119	20-547-0001	CAPILLARY, 08 MIL L. (RED)
4127	20-547-0006	CAPILLARY, 15 MIL L. (PURPLE)

4320	20-547-0022	FILTER, ELEMENT (PK/25) Pore Size 5.0uM, Dia 47mm
4338	20-547-0013	FILTER, OPTICAL (6556)
4339	20-547-0014	WINDOW 1/16" QUARTZ (6556)
4341	20-547-0015	GASKET VITON (PK/2)
4392	20-266-1070	ELBOW MALE (KYNAR) 1/8nt-1/8
4403	20-266-1071	FITTING, ELBOW, MALE, SS, 1/8t
4411	20-266-1072	FITTING, REDUCER, SS, 1/8t X 1
4413	20-266-1073	FTG, TEE, MALE RUN/8T X 1/8NPT
4414	20-266-1074	FITTING, UNION-TEE, SS, 1/8t
4422	20-902-0001	CONNECTOR, MALE 1/4t X 1/8npt
4423	20-266-1075	CONNECTOR, S.S. 1/4 MALE
4436	20-266-1076	NUT, 1/4 4n SS
4447	20-266-1077	FITTING, 4 BU UNION BLKHD SS 0
4453	20-266-1078	FITTING, UNION TEE (F-WARE), 1/4
4609	20-266-1079	CONNECTOR, 02 PIN MALE
4800	20-228-1003	O-RING VITON (PK/10) (FOR CAPILLARIES)
4806	20-547-0008	O-RING
4808	20-547-0009	O-RING (Between Reaction Chamber)
4821	20-547-0010	O-RING PMT 44 COOLER
4822	20-547-0011	O-RING BASE 44 COOLER
5225	20-266-1080	Rack Mounts
5235	20-266-1081	Rear Extender Brackets
5510	20-266-1082	TUBING, TEFLON 1/8" (FOOT)
64P7142-01	20-266-1083	ASSY, TRANSFORMER (110V)
64P7142-02	20-266-1084	ASSY, TRANSFORMER (220V)
64P7276	20-266-1085	O3 Killer Assembly, High Temperature (SS Converters)
64P7289	20-266-1086	O3 Killer Assembly, Low Temperture (Moly Converters)
6556	20-320-0073	FILTER KIT, OPTICAL (W/QUARTZ) (1-4338, 1-4339, 1-4341)
6653	20-266-1087	TUBE DISPERSION
8569	20-902-0000	MALE ELBOW 1/4 (JACO#10-4-2-K-O)
9212	20-547-0007	O-RING (PK/5)
9267	20-547-0021	PUMP REPAIR KIT, KNF (FOR P/N 9262, 9263, 8086)
9269	20-251-4606	CONVERTER CARTRIDGE, MOLY (W/Fittings)
9367	20-266-1088	PMT, 42 Series
9453	20-266-1089	NIPPLE RECOVER
9454	20-266-1090	REACTION CHAMBER (Cooler Side)
9455	20-266-1091	REACTION CHAMBER (Converter Side)
9467	20-266-1092	CONVERTER CARTRIDGE STAINLESS STEEL
9973	20-227-1005	OZONATOR ASSEMBLY
9974	20-266-1093	XFMR , Obsolete, use 101419-00