

**Recommended Spare Parts List**
**Model T108U Ultra-Sensitive Total Sulfur Analyzer**

Manufacturer p/n	Cemtrex p/n	Description
000940100	20-223-0001	ORIFICE, 3 MIL, IZS
000940300	20-226-2001	CD, ORIFICE, .020 VIOLET
000940400	20-223-0002	CD, ORIFICE, .004 BLUE
000940800	20-223-0003	ORIFICE, 012 MIL, RXCELL
000941200	20-223-0100	CD, ORIFICE, .008, RED/NONE
002690000	20-223-0004	LENS, UV
002700000	20-223-0005	LENS, PMT
002720000	20-223-0006	FILTER, PMT OPTICAL, 330 NM
003290000	20-223-0007	ASSY, THERMISTOR
005960000	20-223-0008	AKIT, EXP, ACT CHARCOAL, (2 BTL@64 FL-OZ EA)
009690000	20-223-0009	AKIT, TFE FLTR ELEM (FL6 100=1) 47mm
009690100	20-223-0010	AKIT, TFE FLTR ELEM (FL6, 30=1) 47mm
011630000	20-223-0011	HVPS INSULATOR GASKET (KB)
012720100	20-223-0012	OPTION, NO <sub>x</sub> OPTICAL FILTER *
013140000	20-223-0013	ASSY, COOLER FAN (NOX/SOX)
013210000	20-223-0014	ASSY, VACUUM MANIFOLD
013390000	20-223-0015	ASSY, KICKER
013400000	20-223-0016	CD, PMT, SO <sub>x</sub> , (R1527) (KB)
013420000	20-223-0017	ASSY, ROTARY SOLENOID
013570000	20-223-0018	ASSY, THERMISTOR (COOLER)
014080100	20-223-0019	ASSY, HVPS, SOX/NOX
014400100	20-223-0020	OPTION, ZERO AIR SCRUBBER
014750000	20-223-0013	AKIT, EXP KIT, IZS
016290000	20-199-0017	WINDOW, SAMPLE FILTER, 47MM (KB)
016300700	20-223-0023	ASSY, SAMPLE FILTER, 47MM, ANG BKT
029580000	20-222-0001	ASSY, XFMR, 230V/115V 400VA
037100000	20-222-0003	TUBE, CONVERTER (KB)
037310000	20-223-0101	ASSY, DILUTION FLOW CONTROL BLOCK
037340100	20-223-0102	ASSY, ZERO AIR SCRUBBER (TS), SHORT CAN
037860000	20-199-0026	ORING, TFE RETAINER, SAMPLE FILTER
040030100	20-199-0028	PCA, FLOW/PRESSURE
040010000	20-199-0027	ASSY, FAN REAR PANEL (B/F)
040031100	20-223-0103	PCA, FLOW SENSOR
041620100	20-223-0027	ASSY, SO <sub>2</sub> SENSOR (KB)
041800400	20-223-0028	PCA, PMT PREAMP, VR
042410200	20-223-0030	ASSY, PUMP, INT, E SERIES
043420000	20-223-0031	ASSY, HEATER/THERM, O <sub>2</sub> SEN
043570000	20-223-0032	AKIT, EXPENDABLES
045230200	20-223-0033	PCA, RELAY CARD W/RELAYS, E SERIES, S/N'S >455
046250000	20-223-0034	ASSY, RXCELL HEATER/FUSE

046260000	20-223-0035	ASSY, THERMISTOR, RXCELL (KB)
049310100	20-223-0037	PCA, TEC CONTROL, E SERIES
050610100	20-223-0039	CONFIGURATION PLUGS, 115V/60Hz
050610200	20-223-0040	CONFIGURATION PLUGS, 115V/50Hz
050610300	20-223-0041	CONFIGURATION PLUGS, 220-240V/50Hz
050610400	20-223-0042	CONFIGURATION PLUGS, 220-240V/60Hz
050610500	20-223-0104	OPTION, 100V/50Hz, (OBS)
050610600	20-223-0105	OPTION, 100V/60Hz (OBS)
050630100	20-223-0043	PCA, REF DET w/OP20, DUAL OUT
052660000	20-223-0045	ASSY, HEATER/THERMISTOR (IZS)
055100200	20-223-0046	ASSY, OPTION, PUMP, 240V *
055560000	20-223-0047	ASSY, VALVE, VA59 W/DIODE, 5" LEADS
058021100	20-199-0047	PCA, E-SERIES MOTHERBD, GEN 5-ICOP (ACCEPTS ACROSSER OR ICOP CPU)
059220000	20-222-0005	THERMOCOUPLE, TYPE S, ALUMINA SHEATH
061930000	20-223-0050	PCA, UV LAMP DRIVER, GEN-2 43mA *
066970000	20-223-0051	PCA, INTRF. LCD TOUCH SCRNR, F/P
067240000	20-223-0052	CPU, PC-104, VSX-6154E, ICOP *(KB)
067300000	20-199-0112	PCA, AUX-I/O BD, ETHERNET, ANALOG & USB
067300100	20-223-0053	PCA, AUX-I/O BOARD, ETHERNET
067300200	20-199-0111	PCA, AUX-I/O BOARD, ETHERNET & USB
067900000	20-223-0054	LCD MODULE, W/TOUCHSCREEN(KB)
068810000	20-223-0057	PCA, LVDS TRANSMITTER BOARD
069430100	20-223-0106	DOM, w/SOFTWARE, T108*
069500000	20-199-0107	PCA, SERIAL & VIDEO INTERFACE BOARD
072150000	20-223-0058	ASSY. TOUCHSCREEN CONTROL MODULE
072800000	20-223-0107	KIT, T108 MANUAL
CN0000073	20-223-0059	POWER ENTRY, 120/60 (KB)
CN0000458	20-199-0057	CONNECTOR, REAR PANEL, 12 PIN
CN0000520	20-199-0058	CONNECTOR, REAR PANEL, 10 PIN
CP0000035	20-222-0008	CONTROLLER, TEMP, FUJI, PXR
FL0000003	20-223-0063	FILTER, DFU (KB)
FM0000004	20-223-0064	FLOWMETER (KB)
HE0000007	20-222-0009	CERAMIC HEATER, 220W@60V
HW0000005	20-223-0065	FOOT, CHASSIS
000940100	20-223-0001	ORIFICE, 3 MIL, IZS
000940400	20-223-0002	CD, ORIFICE, .004 BLUE
000940800	20-223-0003	ORIFICE, 012 MIL, RXCELL
002690000	20-223-0004	LENS, UV
002700000	20-223-0005	LENS, PMT
002720000	20-223-0006	FILTER, PMT OPTICAL, 330 NM
003290000	20-223-0007	ASSY, THERMISTOR
005960000	20-223-0008	AKIT, EXP, ACT CHARCOAL, (2 BTL@64 FL-OZ EA)
009690000	20-223-0009	AKIT, TFE FLTR ELEM (FL6 100=1) 47mm
009690100	20-223-0010	AKIT, TFE FLTR ELEM (FL6, 30=1) 47mm

011630000	20-223-0011	HVPS INSULATOR GASKET (KB)
012720100	20-223-0012	OPTION, NO <sub>x</sub> OPTICAL FILTER *
013140000	20-223-0013	ASSY, COOLER FAN (NOX/SOX)
013210000	20-223-0014	ASSY, VACUUM MANIFOLD
013390000	20-223-0015	ASSY, KICKER
013400000	20-223-0016	CD, PMT, SO <sub>x</sub> , (R1527) (KB)
013570000	20-223-0018	ASSY, THERMISTOR (COOLER)
013420000	20-223-0017	ASSY, ROTARY SOLENOID
014080100	20-223-0019	ASSY, HVPS, SOX/NOX
016300700	20-223-0023	ASSY, SAMPLE FILTER, 47MM, ANG BKT
016290000	20-199-0017	WINDOW, SAMPLE FILTER, 47MM (KB)
014750000	20-223-0013	AKIT, EXP KIT, IZS
014400100	20-223-0020	OPTION, ZERO AIR SCRUBBER
029580000	20-222-0001	ASSY, XFMR, 230V/115V 400VA
035710000	20-222-0002	ASSY, SCRUBBER
037100000	20-222-0003	TUBE, CONVERTER (KB)
040030100	20-199-0028	PCA, FLOW/PRESSURE
040010000	20-199-0027	ASSY, FAN REAR PANEL (B/F)
037860000	20-199-0026	ORING, TFE RETAINER, SAMPLE FILTER
041620100	20-223-0027	ASSY, SO <sub>2</sub> SENSOR (KB)
041800400	20-223-0028	PCA, PMT PREAMP, VR
043570000	20-223-0032	AKIT, EXPENDABLES, SO <sub>x</sub>
042410200	20-223-0030	ASSY, PUMP, INT, E SERIES
045230200	20-223-0033	PCA, RELAY CARD W/RELAYS, E SERIES, S/N'S >455
046250000	20-223-0034	ASSY, RXCELL HEATER/FUSE
046260000	20-223-0035	ASSY, THERMISTOR, RXCELL (KB)
048830000	20-223-0036	AKIT, EXP KIT, EXHAUST CLNSR, SILCA GEL
049310100	20-223-0037	PCA, TEC CONTROL, E SERIES
050510200	20-222-0004	PUMP, INT, 115/240V * (KB)
050610100	20-223-0039	CONFIGURATION PLUGS, 115V/60Hz
050610200	20-223-0040	CONFIGURATION PLUGS, 115V/50Hz
050610300	20-223-0041	CONFIGURATION PLUGS, 220-240V/50Hz
050610400	20-223-0042	CONFIGURATION PLUGS, 220-240V/60Hz
050630100	20-223-0043	PCA, REF DET w/OP20, DUAL OUT
052660000	20-223-0045	ASSY, HEATER/THERMISTOR (IZS)
055100200	20-223-0046	ASSY, OPTION, PUMP, 240V *
055560000	20-223-0047	ASSY, VALVE, VA59 W/DIODE, 5" LEADS
058021100	20-199-0047	PCA, E-SERIES MOTHERBD, GEN 5-ICOP (ACCEPTS ACROSSER OR ICOP CPU)
059220000	20-222-0005	THERMOCOUPLE, TYPE S, ALUMINA SHEATH
061930000	20-223-0050	PCA, UV LAMP DRIVER, GEN-2 43mA *
066970000	20-223-0051	PCA, INTRF. LCD TOUCH SCRNM, F/P
067240000	20-223-0052	CPU, PC-104, VSX-6154E, ICOP *(KB)
067300000	20-199-0112	PCA, AUX-I/O BD, ETHERNET, ANALOG & USB
067300100	20-223-0053	PCA, AUX-I/O BOARD, ETHERNET

067300200	20-199-0111	PCA, AUX-I/O BOARD, ETHERNET & USB
067900000	20-223-0054	LCD MODULE, W/TOUCHSCREEN(KB)
068220100	20-223-0056	DOM, w/SOFTWARE, STD, T100 *
068810000	20-223-0057	PCA, LVDS TRANSMITTER BOARD
069500000	20-199-0107	PCA, SERIAL & VIDEO INTERFACE BOARD
072150000	20-223-0058	ASSY. TOUCHSCREEN CONTROL MODULE
072660000	20-222-1005	MANUAL, T101, OPERATORS
072670000	20-222-0006	MANUAL, T102, ADDENDUM TO T101
073500100	20-222-0007	DOM, w/SOFTWARE, STD, T102 *
CN0000073	20-223-0059	POWER ENTRY, 120/60 (KB)
CN0000458	20-199-0057	CONNECTOR, REAR PANEL, 12 PIN
CN0000520	20-199-0058	CONNECTOR, REAR PANEL, 10 PIN
CP0000035	20-222-0008	CONTROLLER, TEMP, FUJI, PXR
FL0000001	20-223-0062	FILTER, FLOW CONTROL
FL0000003	20-223-0063	FILTER, DFU (KB)
FM0000004	20-223-0064	FLOWMETER (KB)
HE0000007	20-222-0009	CERAMIC HEATER, 220W@60V
HW0000005	20-223-0065	FOOT, CHASSIS
HW0000020	20-223-0066	SPRING, FLOW CONTROL
HW0000030	20-223-0067	ISOLATOR
HW0000031	20-223-0068	FERRULE, SHOCKMOUNT
HW0000036	20-199-0063	TFE TAPE, 1/4" (48 FT/ROLL)
HW0000101	20-223-0070	ISOLATOR
HW0000453	20-199-0067	SUPPORT, CIRCUIT BD, 3/16" ICOP
HW0000685	20-199-0109	LATCH, MAGNETIC, FRONT PANEL
KIT000093	20-223-0072	AKIT, REPLCMNT(3187)214NM FLTR (BF)
KIT000095	20-223-0073	AKIT, REPLACEMENT COOLER
KIT000219	20-223-0075	AKIT, 4-20MA CURRENT OUTPUT
KIT000236	20-223-0076	KIT, UV LAMP, w/ADAPTER (BIR)
KIT000253	20-223-0077	ASSY & TEST, SPARE PS37
KIT000254	20-223-0078	ASSY & TEST, SPARE PS38
KIT000255	20-222-0011	AKIT, RETROFIT, M501TS, TC TYPE S RPLCMN
OP0000031	20-223-0080	WINDOW, QUARTZ, REF DETECTOR
OR0000001	20-223-0065	ORING, FLOW CONTROL/IZS
OR0000004	20-223-0082	ORING, OPTIC/CELL, CELL/TRAP
OR0000006	20-223-0083	ORING, CELL/PMT
OR0000007	20-223-0084	ORING, PMT/BARREL/CELL
OR0000015	20-223-0085	ORING, PMT FILTER
OR0000016	20-223-0086	ORING, UV LENS
OR0000025	20-223-0087	ORING, ZERO AIR SCRUBBER
OR0000027	20-223-0088	ORING, COLD BLOCK/PMT HOUSING & HEATSINK
OR0000039	10-201-0547	ORING, 2-012V (KB)
OR0000046	20-223-0090	ORING, PERMEATION OVEN
OR0000083	20-223-0091	ORING, PMT SIGNAL & OPTIC LED
OR0000084	20-223-0092	ORING, UV FILTER

OR0000094	20-199-0078	ORING, SAMPLE FILTER
PU0000022	20-199-0084	REBUILD KIT, FOR PU20 & 04241 (KB)
RL0000015	20-223-0095	RELAY, DPDT, (KB)
RL0000020	20-222-0012	SSRT RELAY, TD2410, CE MARK
SW0000025	20-223-0097	SWITCH, POWER, CIRC BREAK, VDE/CE *(KB)
SW0000040	20-222-0013	PWR SWITCH/CIR BRK, VDE CE (KB)
SW0000058	20-222-0014	SWITCH, THERMAL/450 DEG F(KB)
SW0000059	20-223-0098	SENSOR, PRES, 0-15, PSIA, ALL SENS
WR0000008	20-223-0099	POWER CORD, 10A
018080000	20-232-0016	AKIT, DESSICANT BAGGIES, (12)
039620100	20-223-0108	AKIT, EXP KIT, IMPREG CHARCOAL, TS,
009690300	10-201-0488	AKIT, TFE FLTR ELEM (FL19, 30=1) 47mm