

### List of Spare Parts for APD-500A Asphaltene Analyzer

No.	Parts Code	Description
1	APD-001	Allen wrench
2	APD-003	Light source lamp
3	APD-006	Standard material for calibration
4	APD-501	Cross head driver (No.2)
5	APD-502	Printer paper holder
6	APD-505	Printer tape (12 rolls)
7	APD-512	Sample suction & rinsing unit (including APD-526)
8	APD-514	Flow cell, 3mm[
9	APD-521	Operation manual
10	APD-523	Sample carousel
11	APD-524	Tank holder
12	APD-525	Arm
13	APD-526	Connector for cell
14	APD-527	Connector for sampling pipe
15	APD-528	3-way solenoid switch
16	APD-531	Flare type joint
17	APD-532	Suction nozzle
18	APD-533	Printer unit
19	APD-534	Rotary solenoid switch
20	APD-535	Knob nut
21	APD-536	Stirrer for sample preparation
22	APD-537	Fuse, 4A (5 pcs./set)
23	APD-538	Interference filter (800 nm)
24	APD-539	Interference filter (750 nm)
25	APD-540	Convex lens
26	APD-541	Beam separator
27	APD-542	Gear head for rotation
28	APD-543	Mortar for rotation & up and down
29	APD-544	Electromagnetic brake
30	APD-545	Photo-interrupter
31	APD-546	Gear head for up and down
32	APD-548	Timing belt
33	APD-549	Sgeet key
34	APD-550	LCD module
35	APD-551	Flexible tube, 1m (BT-2)
36	APD-552	Tube, $\phi 3 \times \phi 1\text{mm}$ , 1m (TT0103)
37	APD-553	Tube, $\phi 3 \times \phi 2\text{mm}$ , 1m (TT0203)
38	APD-554	Control board for rotation/SIS
39	APD-555	Driver board
40	APD-556	Interface board
41	APD-557	CPU board
42	APD-558	Printer driver board
43	APD-559	I-V board
44	APD-560	Preamplifier board
45	APD-561	SW-regulator for DC 24V
46	APD-562	SW-regulator for DC 5V
47	APD-563	Printer connector board
48	APD-564	KEY connector board
49	APD-565	Magnetic stirring bar, 20mm (5pcs./set)
50	APD-566	Connector for suction nozzle
51	CHG-002	Erlenmeyer flask with stopper (12 pcs./set)
52	CHG-003	Flask holder (12 pcs./set)
53	COM-001	UL cord set with adaptor
54	COM-003	Grounding wire
55	COM-502	Container, polyethylene (2L)