

SINGLE-CHANNEL COLORIMETER

Part No. 199-A001-01, 02, 03

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	199-B016-01*	CONTROL MODULE PANEL ASSEMBLY	46	199-0070-01	SEAL, Aperture Control	97	601-4057-01	LOG-RATIO MODULE (Used on High-Performance Colorimeter only.)
2	538-0059-01	KNOB, Switch	47	162-0085-01	BLOCK		601-4052-01	LOG-RATIO MODULE (Used on Clinical and Basic Industrial Colorimeter only.)
3	542-7001-01	NUT, Hex., No. 32 x 3/8	48	806-0133-01	SCREW, Rdh, No. 4-40 x 9/16 in. lg			
4	199-0079-01	PANEL, Control Module	49	818-0050-01	WASHER, Flat, No. 4			
5	534-0058-01	KNOB, Variable resistor	50	557-9011-01	SPRING	98	199-B008-01	HOUSING AND COVER ASSEMBLY
6	620-4007-01	DIAL, Indicator	51	801-0128-01	SCREW, Filh, No. 4-40 x 5/16 in. lg	99	199-0059-01	SCREW, Captive
7	821-0181-01	SCREW, Oval head, cross recessed, No. 6-32 x 1/2 in. lg	52	819-0401-01	WASHER, Lock, Spring tension, No. 4	100	554-5029-01	RING, Retaining
8	509-0005-01	CLAMP, Loop	53	199-0137-01	SCREW, Lead, aperture adjusting	101	805-0131-01	SCREW, Pnh, No. 4-40 x 1/2 in. lg
9	819-0201-01	WASHER, Lock, Spring tension, No. 4	54	162-0002-01	NUT, Traveling	102	819-0001-01	WASHER, Lock, Spring tension, No. 4
10	801-0126-01	SCREW, Filh, No. 4-40 x 3/16 in. lg	55	142-0121-01*	SPRING, Aperture	103	199-0064-01	HOUSING
11	683-0148-01	SWITCH, Push-button, illuminated	56	162-B007-02*	BLADE ASSEMBLY, Right-hand	104	199-B017-01	COVER ASSEMBLY
12	653-3044-01	RESISTOR, Variable, 45k Ω \pm 1%, 10-Turn	57	162-B007-01*	BLADE ASSEMBLY, Left-hand	105	199-0111-01*	BRACKET, Switch
13	653-3042-01	RESISTOR, Variable, 20k Ω 10-Turn	58	170-0112-01	SHUTTER	106	536-4015-01*	LATCH, Magnetic
14	199-0081-01*	SWITCH, Rotary	59	199-0088-01	LENS ASSEMBLY, Left-hand	107	800-0177-01*	SCREW, Bdgh, No. 6-32 x 1/4 in. lg
15	653-6100-01	TRIMPOT**, Resistor, Variable, 1k Ω , (supplied with attaching hardware)	60	199-0087-01	LENS ASSEMBLY, Right-hand	108	819-0402-01*	WASHER, Lock, Spring tension, No. 6
16	653-6062-01	RESISTOR, Variable, 10k Ω (supplied with attaching hardware)	61	199-0034-01	CHIMNEY, Lamp, Source	109	199-B025-01	INLET BLOCK MOUNTING ASSEMBLY
17	669-0270-01	RESISTOR, Fixed, Composition, 22k Ω \pm 5%, 1/4W	62	112-B007-01	LAMP ASSEMBLY, Source	110	835-0230-01	SETSCREW, Hex., Sch, No. 8-32 x 7/16 in. lg
18	199-B009-01	CONTROL MODULE ASSEMBLY (Used on Clinical and Basic Industrial Colorimeter only.)	63	800-0177-01	SCREW, Bdgh, No. 6-32 x 1/4 in. lg	111	819-0403-01	WASHER, Lock, Spring tension, No. 8
	199-B009-03	CONTROL MODULE ASSEMBLY (Used on High-Performance Colorimeter only.)	64	819-0002-01	WASHER, Lock, Spring tension, No. 6 (Used on Clinical and Basic Industrial Colorimeter only.)	112	683-5051-01*	SWITCH, Toggle
19	199-0077-01	HOUSING, Control module	65	692-0039-01	LUG, Terminal (Used on High-Performance Colorimeter only.)	113	801-0079-01	SCREW, Filh, No. 2-56 x 3/8 in. lg
20	199-B001-01	CONTROL MODULE CIRCUIT CARD ASSEMBLY	66	199-0056-01	SOCKET, Source lamp	114	819-0400-01	WASHER, Lock, Spring tension, No. 2
	199-B001-03	HIGH-PERFORMANCE CONTROL MODULE CIRCUIT CARD ASSEMBLY	67	199-0057-01	BASE, Source lamp mounting (Used on Clinical and Basic Industrial Colorimeters only.)	115	816-0075-01	NUT, Hex., No. 2
21	801-0130-01	SCREW, Filh, No. 4-40 x 7/16 in. lg	68	693-0057-01	BLOCK, Terminal	116	626-0001-01	FUSEHOLDER
22	819-0401-01	WASHER, Lock, Spring tension, No. 4	69	800-0185-01	SCREW, Bdgh, No. 6-32 x 3/4 in. lg	117	625-0011-01	FUSE, 0.5 A, Slow Blow
23	692-0016-01	LUG, Ground	70	819-0402-01	WASHER, Lock, Spring tension, No. 6	118	170-B070-21	FILTER, Reference channel
24	800-0178-01	SCREW, Bdgh, No. 6-32 x 5/16 in. lg	71	199-0032-02	COVER, Detector housing (Used on Clinical and Basic Industrial Colorimeter only)	119		FLOWCELL (Order per Existing Part No.)
25	819-0402-01	WASHER, Lock, Spring tension, No. 6		199-0129-01	COVER, Detector housing (Used on High-Performance Colorimeter only.)	120	199-B021-01	PHOTOTUBE ASSEMBLY, 380-660 nm (Used on Basic Industrial Colorimeter only.)
26	801-0130-01	SCREW, Filh, No. 4-40 x 7/16 in. lg	72	556-0075-01	GROMMET (Supplied with item No. 71)		199-B021-02	PHOTOTUBE ASSEMBLY, 380-660 nm (Used on Clinical Colorimeter only.)
27	819-0001-01	WASHER, Lock, Spring tension, No. 4	73	199-0043-01	SCREW, Knurled head		199-B021-03	PHOTOTUBE ASSEMBLY, 380-660 nm (Used on High-Performance Colorimeter only.)
28	816-0125-01	NUT, Hex., No. 4	74	170-0095-01*	RECEPTACLE, Phototube		199-B021-04	PHOTOTUBE ASSEMBLY, 380-660 nm (Limited application on industrial Colorimeter only.)
29	199-0080-01	BRACKET, Connector mounting	75	199-0102-01*	HOLDER, Phototube receptacle	121	615-3348-01*	CONNECTOR (Supplied with Harness Assy. Part No. 199-B044-01, standard; and Part No. 199-B011-01, high-performance.)
30	509-0021-01	CLAMP, Loop	76	801-0126-01	SCREW, Filh, No. 4-40 x 3/16 in. lg	122	615-3433-01*	CONNECTOR (Supplied with Harness Assy. Part No. 199-B044-01, standard; and Part No. 199-B011-01, high-performance.)
31	199-B011-01*	CONTROL MODULE CABLE ASSEMBLY (Used on Clinical and Basic Industrial Colorimeter only.)	77	819-0201-01	WASHER, Lock, Spring tension, No. 4	123	615-3004-01*	CONNECTOR (Supplied with Harness Assy. Part No. 199-B044-01, standard; and Part No. 199-B011-01, high-performance.)
	199-B044-01*	CONTROL MODULE CABLE ASSEMBLY (Used on High-Performance Colorimeter only.)	78	829-0125-01	SETSCREW, Hex., Sch, No. 4-40	124	615-3061-01*	CONNECTOR (Supplied with Harness Assy. Part No. 199-B044-01, standard; and Part No. 199-B011-01, high-performance.)
32	199-0060-01	BRACKET, Support	79	199-0031-01*	HOUSING, Machined			
33	801-0232-01	SCREW, Filh, No. 8-32 x 9/16 in. lg	80	199-0103-01*	PLATE, Adjusting	125	199-0138-01	SLEEVE, Lead screw
34	819-0203-01	WASHER, Lock, Spring tension, No. 8	81	835-0232-01*	SCREW, Hex., Sch, No. 8-32 x 9/16 in. lg	126	199-0139-01*	BRACKET, Alignment, phototube (Used on Clinical and Basic Industrial Colorimeter only.)
35	816-0225-01	NUT, Hex., No. 8	82	557-7026-01*	WASHER, Flat, No. 8			
36	801-0232-01	SCREW, Filh, No. 8-32 x 9/16 in. lg	83	816-0225-01*	NUT, Hex., No. 8			
37	800-0231-01	SCREW, Bdgh, No. 8-32 x 1/2 in. lg	84	800-0129-01*	SCREW, Bdgh, No. 4-40 x 3/8 in. lg			
38	819-0003-01	WASHER, Lock, Spring tension, No. 8	85	557-7083-01*	WASHER, Spring, special			
39	199-B006-01	OPTICS MOUNTING ASSEMBLY	86	818-0050-01*	WASHER, Flat, No. 4			
40	800-0229-01	SCREW, Bdgh, No. 8-32 x 3/8 in. lg	87	199-0090-01*	BASE, Housing			
41	819-0403-01	WASHER, Lock, Spring tension, No. 8	88	199-0055-01	SCREW, Housing hold-down			
42	199-0108-01	SHIELD, Light, Optics Assembly	89	199-0083-01*	STOPPER, Feed-through			
43	199-0109-01	SCREW, Knurled head	90	199-B015-01	BOTTOM COVER ASSEMBLY	127	615-3367-01*	CONNECTOR
44	818-0050-01	WASHER, Flat, No. 4	91	800-1177-01	SCREW, Bdgh, No. 6-32 x 1/4 in. lg	128	615-3051-01*	CONNECTOR
45	554-5066-01	RING, Retaining	92	819-1402-01	WASHER, Lock, Spring tension, No. 6	129		INLET BLOCK (Order per Existing Part No.)
			93	199-0075-01	BASE, Colorimeter			
			94	199-B002-01	CIRCUIT CARD ASSEMBLY			
			95	800-0177-01	SCREW, Bdgh, No. 6-32 x 1/4 in. lg			
			96	819-0402-01	WASHER, Lock, Spring tension, No. 6			