



防爆構造電気機械器具型式検定合格証

申請者	1000 Cranberry Woods Drive Cranberry Township PA 16066 United States of America Mine Safety Appliances Co.		
製造者	1000 Cranberry Woods Drive Cranberry Township PA 16066 United States of America Mine Safety Appliances Co.		
品名	マルチガス検知器		
型式の名称	A L T A I R 5 X i R		
防爆構造の種類	本体 本質安全防爆構造 (i a) 可燃性ガスセンサ 耐圧防爆構造及び本質安全防爆構造 (i a)		
対象ガス又は蒸気の爆発等級及び発火度	I I C T 4 G b		
定 格	適用基準 工場電気設備防爆指針 (国際整合技術指針) JNIO SH-TR-46-1, 2 及び 6:2015 電源 電池パック (P a n a s o n i c C G R 1 8 6 5 0 D A) D C 3 . 7 V 充電端子 許容電圧 D C 6 . 7 V 許容電流 1 . 7 A 周囲温度 - 4 0 ℃ ~ + 5 0 ℃		
使用条件	S E L V 電源以外からの充電禁止。		
型式検定合格番号	第 T C 2 2 1 8 4 X 号		
有効期間	平成 2 9 年 6 月 2 2 日 から 平成 3 2 年 6 月 2 1 日まで		
	2020 年 6 月 22 日 から 2023 年 6 月 21 日まで		
	平成 年 月 日 から 平成 年 月 日まで		
	平成 年 月 日 から 平成 年 月 日まで		

機械等検定規則による型式検定に合格したことを証明する。

平成 2 9 年 6 月 2 2 日

型式検定実施者 公益社団法人 産業安全技術協会 長



添付図面一覧表 (1/2)

順番号	図面名称	図面番号	備考
1	SYSTEM CONFIGURATION	SK3098-1248-201	
2	INTRINSIC SAFETY CONCEPT	SK3098-1248-202	
3	INSTRUMENT ASSEMBLY DRAWING	SK3098-1248-203	
4	ASSEMBLY PARTS LIST	SK3098-1248-204	
5	COLOR DISPLAY ASSEMBLY 1/2	SK3098-1248-105	
6	COLOR DISPLAY ASSEMBLY 2/2	SK3098-1248-106	
7	RECHARGEABLE BATTERY PACK ASSY	SK3098-1248-207	
8	POTTED RECHARGEABLE BATTERY ASSY	SK3098-1248-108	
9	MAIN BOARD - TOP	SK3098-1248-109	
10	MAIN BOARD - INNER 1	SK3098-1248-110	
11	MAIN BOARD - INNER 2	SK3098-1248-111	
12	MAIN BOARD - INNER 3	SK3098-1248-112	
13	MAIN BOARD - INNER 4	SK3098-1248-113	
14	MAIN BOARD - BOTTOM	SK3098-1248-114	
15	MAIN BOARD - DRILL	SK3098-1248-115	
16	MAIN BOARD - DRILL CHART	SK3098-1248-116	
17	BATTERY PACK BOARD - TOP	SK3098-1248-217	
18	BATTERY PACK BOARD - INNER 1	SK3098-1248-218	
19	BATTERY PACK BOARD - INNER 2	SK3098-1248-219	
20	BATTERY PACK BOARD - BOTTOM	SK3098-1248-220	
21	BATTERY PACK BOARD - DRILL	SK3098-1248-221	
22	DIPLAY BOARD - TOP	SK3098-1248-123	
23	DIPLAY BOARD - INNER 1	SK3098-1248-124	
24	DIPLAY BOARD - INNER 2	SK3098-1248-125	
25	DIPLAY BOARD - INNER 3	SK3098-1248-126	
26	DIPLAY BOARD - INNER 4	SK3098-1248-127	
27	DIPLAY BOARD - BOTTOM	SK3098-1248-128	
28	DIPLAY BOARD - DRILL	SK3098-1248-129	
29	ELECTRIC PART LIST 1	SK3098-1248-230	
30	ELECTRIC PART LIST 2	SK3098-1248-131	
31	CONNECTION DIAGRAM	SK3098-1248-232	
32	WHOLE CIRCUIT	SK3098-1248-233	
33	BATTERY BOARD CIRCUIT	SK3098-1248-234	
34	COMB CIRCUIT	SK3098-1248-135	
35	LED'S CIRCUIT	SK3098-1248-136	
36	COLOR DISPLAY BOARD ASSEMBLY CIRCUIT	SK3098-1248-138	
37	BUZZER/VIB MOTOR/IrDA CIRCUITS	SK3098-1248-139	
38	PUMP MOTOR CIRCUIT	SK3098-1248-140	
39	INFRARED SENSOR CIRCUIT	SK3098-1248-241	
40	PYRO BOARD CIRCUIT	SK3098-1248-242	
41	MARKING PLATE	SK3098-1248-243	

図面番号	図面名称	備考
SK3098-1248-017	COMB SENSOR GENERAL NOTES	
SK3098-1248-018	COMB SENSOR OVERVIEW	
SK3098-1248-019	COMB SENSOR: INTRINSIC SAFETY	
SK3098-1248-020	COMB SENSOR: SENSOR ASSEMBLY	
SK3098-1248-021	COMB SENSOR: SENSOR MATERIALS	
SK3098-1248-022	COMB SENSOR: CONSTRUCTION DETAILS	
SK3098-1248-023	COMB SENSOR: SENSOR BODY	
SK3098-1248-024	COMB SENSOR: SINTER METAL	
SK3098-1248-025	COMB SENSOR: HEAT SHIELD	
SK3098-1248-026	COMB SENSOR: WOUND COIL	
SK3098-1248-027	COMB SENSOR: BASE PLATE	
SK3098-1248-028	COMB SENSOR: ELECTRICAL CIRCUIT COMPONENT LIST	
SK3098-1248-029	COMB SENSOR: ELECTRICAL CIRCUIT COMPONENT LIST(GENERAL NOTES)	
SK3098-1248-030	COMB SENSOR: TOP BOARD	
SK3098-1248-031	COMB SENSOR: TOP BOARD ASSEMBLY	
SK3098-1248-032	COMB SENSOR: TOP BOARD WIRING SCHEMATIC	
SK3098-1248-033	COMB SENSOR: BOTTOM BOARD	
SK3098-1248-034	COMB SENSOR: BOTTOM BOARD ASSEMBLY	
SK3098-1248-035	COMB SENSOR: BOTTOM BOARD WIRING SCHEMATIC	
SK3098-1248-036	ECHEM SENSOR GENERAL NOTES	
SK3098-1248-037	ECHEM SENSOR: INTRINSIC SAFETY OUTLINE	
SK3098-1248-038	ECHEM SENSOR ASSEMBLY	
SK3098-1248-039	ECHEM SENSOR LID	
SK3098-1248-040	ECHEM SENSOR BODY	
SK3098-1248-041	ECHEM SENSOR BASE PLATE	
SK3098-1248-042	ECHEM SENSOR MATERIALS	
SK3098-1248-043	ECHEM SENSOR PCB ASSEMBLY	
SK3098-1248-044	ECHEM SENSOR COMPONENT LIST	
SK3098-1248-045	ECHEM SENSOR: GENERAL NOTES	
SK3098-1248-046	ECHEM SENSOR WIRING SCHEMATIC	
SK3098-1248-050	OUTLINE DIMENSIONS OF SENSORS	

順番号	図面名称	図面番号	備考
42	COMB SENSOR GENERAL NOTES	SK3098-1248-017	
43	COMB SENSOR OVERVIEW	SK3098-1248-018	
44	COMB SENSOR: INTRINSIC SAFETY	SK3098-1248-019	
45	COMB SENSOR: SENSOR ASSEMBLY	SK3098-1248-020	
46	COMB SENSOR: SENSOR MATERIALS	SK3098-1248-021	
47	COMB SENSOR: CONSTRUCTION DETAILS	SK3098-1248-022	
48	COMB SENSOR: SENSOR BODY	SK3098-1248-023	
49	COMB SENSOR: SINTER METAL	SK3098-1248-024	
50	COMB SENSOR: HEAT SHIELD	SK3098-1248-025	
51	COMB SENSOR: WOUND COIL	SK3098-1248-026	
52	COMB SENSOR: BASE PLATE	SK3098-1248-027	
53	COMB SENSOR: ELECTRICAL CIRCUIT COMPONENT LIST	SK3098-1248-028	
54	COMB SENSOR: ELECTRICAL CIRCUIT COMPONENT LIST(GENERAL NOTES)	SK3098-1248-029	
55	COMB SENSOR: TOP BOARD	SK3098-1248-030	
56	COMB SENSOR: TOP BOARD ASSEMBLY	SK3098-1248-031	
57	COMB SENSOR: TOP BOARD WIRING SCHEMATIC	SK3098-1248-032	
58	COMB SENSOR: BOTTOM BOARD	SK3098-1248-033	
59	COMB SENSOR: BOTTOM BOARD ASSEMBLY	SK3098-1248-034	
60	COMB SENSOR: BOTTOM BOARD WIRING SCHEMATIC	SK3098-1248-035	
61	ECHEM SENSOR GENERAL NOTES	SK3098-1248-036	
62	ECHEM SENSOR: INTRINSIC SAFETY OUTLINE	SK3098-1248-037	
63	ECHEM SENSOR ASSEMBLY	SK3098-1248-038	
64	ECHEM SENSOR LID	SK3098-1248-039	
65	ECHEM SENSOR BODY	SK3098-1248-040	
66	ECHEM SENSOR BASE PLATE	SK3098-1248-041	
67	ECHEM SENSOR MATERIALS	SK3098-1248-042	
68	ECHEM SENSOR PCB ASSEMBLY	SK3098-1248-043	
69	ECHEM SENSOR COMPONENT LIST	SK3098-1248-044	
70	ECHEM SENSOR: GENERAL NOTES	SK3098-1248-045	
71	ECHEM SENSOR WIRING SCHEMATIC	SK3098-1248-046	
72	OUTLINE DIMENSIONS OF SENSORS	SK3098-1248-050	

