



PA 10 / PATROL-Serie

Schalldruckpegel und Stromaufnahme Schallgeber PA 10 DC / sound pressure level and current drain of PA 10 DC-Sounders:

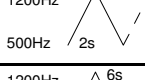
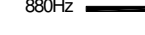
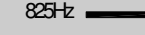
Grund-Ton-Nr. (J)	Beschreibung / Description		12V DC	24V DC	48V DC	SPL (max.) +/- 3dB
			I rms/mA	I rms/mA	I rms/mA	dB(A) 1m
1	Silence					
2	Saw tooth, Germany DIN 33404-3 (emergency signal), PFEER PAPA		153	282	166	114,3
9	Slow whoop, fire alarm, UK BS5839-1		161	298	172	114,1
11	Whoop (fast)		164	301	185	113,7
13	Whoop		90	175	118	113,8
15	Slow whoop, evacuation, Netherlands NEN 2575		147	270	153	115,3
16	Slow whoop, evacuation Australia AS2220		151	282	162	115,1
18	Slow whoop, NFPA		112	192	115	111,6
22	Whoop, Australia AS1670, ISO8201		94	183	110	114,2
23	Siren		178	336	196	117,2
24	Siren		160	299	175	114,8
25	Siren		148	274	160	114,2
26	Industrial alarm (Germany)		153	275	158	114,2
27	Sweeping		182	341	199	114,2
29	Sweeping (fast)		181	344	199	112,4
30	Sweeping		181	342	198	112,4
31	Sweeping, France NF C 48-265		170	323	183	115,2
33	Sweeping, UK BS5839-1 (medium sweep)		157	291	167	114
34	Sweeping (fast)		154	284	165	113

*Schallgeber, die mit weniger als 18V DC betrieben werden, erreichen nicht den, in der Tabelle angegebenen, Schallpegel!

*Devices which were biased with less than 18V DC will not reach the stated sound pressure level.

■ Töne nach EN54-3 / Tone according to EN54-3

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Grund-Ton-Nr. (J)	Beschreibung / Description		12V DC	24V DC	48V DC	SPL (max.) +/- 3dB
			I rms/mA	I rms/mA	I rms/mA	dB(A) 1m
35	Sweeping, UK BS5839-1 (fast sweep)	1000Hz  800Hz	155	287	166	113,5
36	Sweeping	1500Hz  700Hz	157	292	166	115,2
43	Sweeping	1200Hz  500Hz	154	282	162	115,1
44	Sweeping, IMO 3d, Germany KTA3901 evacuation	1200Hz  500Hz	160	295	191	115
45	Sweeping	1200Hz  500Hz	153	283	163	115,5
46	Sweeping, Finland General Alarm	1500Hz  500Hz	162	305	193	115,5
52	Continuous	2400Hz _____ - -	179	339	195	115,1
53	Continuous	2000Hz _____ - -	178	331	202	116,6
54	Continuous, Finland All Clear	1500Hz _____ - -	172	322	185	114,6
55	Continuous	1200Hz _____ - -	160	300	175	115
56	Continuous, PFEER (Gasalarm)	1000Hz _____ - -	152	279	162	111,5
57	Continuous, UK BS5839-1	950Hz _____ - -	166	309	189	112
59	Continuous	880Hz 	166	307	179	114,7
60	Continuous	825Hz 	155	287	170	113,6
61	Continuous	800Hz _____ - -	153	282	175	110,2
63	Continuous	725Hz _____ - -	142	261	163	111
65	Continuous, Sweden SS031711 (All Clear)	660Hz _____ - -	162	299	175	110,6
66	Continuous	554Hz _____ - -	160	289	178	105,9
67	Continuous, Germany KTA3901 (All Clear)	500Hz _____ - -	157	289	180	105,9
68	Continuous	470Hz _____ - -	171	313	216	106,1

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Töne nach EN54-3 / *Tone according to EN54-3*

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Grund-Ton-Nr. (♫)	Beschreibung / Description		12V DC	24V DC	48V DC	SPL (max.) +/- 3dB
			I rms/mA	I rms/mA	I rms/mA	dB(A) 1m
69	Continuous	440Hz	171	318	195	106,8
71	Continuous	340Hz	175	319	215	104,6
77	Intermittent	2400Hz	126	239	141	116,2
82	Intermittent, PFEER (General Alarm), UK BS5839-1 (Back-up Alarm)	1000Hz	108	198	117	111,6
83	Intermittent, PFEER (General Alarm)	1000Hz	108	199	116	111,9
88	Intermittent	950Hz	115	214	126	112,2
90	Intermittent	825Hz	94	173	103	112
91	Intermittent	800Hz	104	195	117	113,6
92	Intermittent	800Hz	58	103	70	111,8
93	Intermittent (fast), electromechanical horn	800Hz	91	162	103	110,6
97	Intermittent	725Hz	116	211	127	111,3
98	Intermittent, Sweden SS 031711 (Imminent Danger)	700Hz	107	195	127	109,4
100	Intermittent, Industrial Alarm (Germany)	680Hz	110	204	122	110,7
101	Intermittent, Sweden SS031711 (Important Message (Pre Mess))	660Hz	162	300	150	110,6
102	Intermittent, Sweden SS031711 (Local Warning)	660Hz	107	234	136	110,5
103	Intermittent, Sweden SS031711 (Air Raid)	660Hz	118	208	116	110,6
104	Intermittent, Sweden SS031711 (Imminent Danger)	660Hz	105	193	117	109,7
107	Intermittent, Germany KTA3901 (evacuation)	500Hz	80	148	101	106,1
109	Intermittent, Australia AS2220, AS1610, AS1670	420Hz	125	234	154	106,7
110	Intermittent (fast variable), Bell	1450Hz	141	242	142	110,2

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■ Töne nach EN54-3 / Tone according to EN54-3

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Grund-Ton-Nr. (♫)	Beschreibung / Description		12V DC	24V DC	48V DC	SPL (max.) +/- 3dB
			I rms/mA	I rms/mA	I rms/mA	dB(A) 1m
111	Intermittent, ISO8201 (emergency evacuation signal), USA (evacuation)		116	184	139	106,5
112	Intermittent, ISO8201 (emergency evacuation signal)		99	191	104	112,3
113	Intermittent, ISO8201 (emergency evacuation signal) treble tone		111	227	128	111
115	Intermittent, IMO (Telefon Call)		125	238	147	112,6
116	Intermittent, IMO (abandon ship)		138	243	143	112,4
117	Intermittent, IMO SOLAS III/50 + SOLAS III/6.4 (General Alarm)		110	191	118	114
122	Alternating		193	352	224	115,8
123	Alternating		187	340	198	113,3
124	Alternating, Singapore		169	300	173	116,4
125	Alternating		170	317	210	114,7
128	Alternating		160	280	173	113,6
130	Alternating, UK BS5839-1 (Fire Alarm)		156	276	160	113,9
131	Alternating, UK BS5839-1 (Fire Alarm, Level crossing)		156	275	162	113,8
135	Alternating, UK BS5839-1 (Fire Alarm, increased urgency – Level crossing)		156	275	160	113,5
142	Alternating		166	292	172	113,2
143	Alternating, Germany Industrial Alarm		172	300	185	109,6
144	Alternating		173	304	189	110,6
146	Alternating, France NFS 32-001 (fire alarm)		174	303	194	107
147	Alternating, Sweden SS031711 (turn out)		170	312	203	106,9
148	Alternating, Sweden SS031711 (turn out)		170	299	183	107,1
152	Alternating-intermittent		76	121	73	113,5

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☐ Töne nach EN54-3 / Tone according to EN54-3

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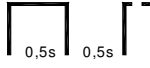


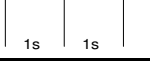
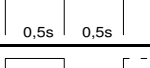
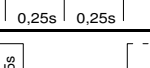
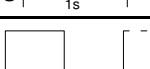

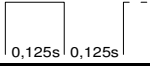
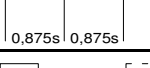
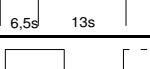
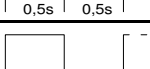
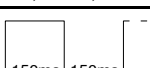
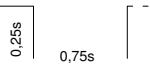


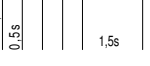


Schalldruckpegel und Stromaufnahme Schallgeber PA 10 AC / sound pressure level and current drain of PA 10 AC-Sounders:

Grund-Ton-Nr. (*)	Beschreibung / Description		115V AC	230V AC	24V AC	SPL (max.) +/- 3dB
1	Silence		I rms/mA	I rms/mA	I rms/mA	dB(A) 1m
2	Saw tooth, Germany DIN 33404-3 (emergency signal), PFEER PAPA		115	86	571	114,9
9	Slow whoop, fire alarm, UK BS5839-1		121	89	596	114,5
11	Whoop (fast)		121	91	600	114
13	Whoop		70	55	483	114,1
15	Slow whoop, evacuation, Netherlands NEN 2575		115	81	522	115,6
16	Slow whoop, evacuation Australia AS2220		115	78	555	115,4
18	Slow whoop, NFPA		85	66	391	111,9
22	Whoop, Australia AS1670, ISO8201		78	55	340	114,5
23	Siren		138	100	662	117,5
24	Siren		122	90	605	115,1
25	Siren		113	85	559	114,5
26	Industrial alarm (Germany)		112	85	551	114,5
27	Sweeping		138	96	670	114,5
29	Sweeping (fast)		138	100	680	112,7
30	Sweeping		139	97	670	112,7
31	Sweeping, France NF C 48-265		130	93	625	115,9
33	Sweeping, UK BS5839-1 (medium sweep)		120	89	582	114,3
34	Sweeping (fast)		115	88	567	113,3
35	Sweeping, UK BS5839-1 (fast sweep)		118	88	575	113,8
36	Sweeping		120	88	582	115,5

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Grund-Ton-Nr. (J)	Beschreibung / Description		115V AC	230V AC	24V AC	SPL (max.) +/- 3dB
			I rms/mA	I rms/mA	I rms/mA	dB(A) 1m
43	Sweeping	1200Hz / 3s 500Hz / 3s	117	87	567	115,4
44	Sweeping, IMO 3d, Germany KTA3901 evacuation	1200Hz / 2s 500Hz / 2s	117	86	574	115,3
45	Sweeping	1200Hz / 6s 500Hz / 6s	117	87	567	115,8
46	Sweeping, Finland General Alarm	1500Hz / 14s 500Hz / 14s	125	91	610	115,8
52	Continuous	2400Hz ———— -	137	96	660	115,4
53	Continuous	2000Hz ———— -	129	94	647	116,8
54	Continuous, Finland All Clear	1500Hz ———— -	135	94	630	114,8
55	Continuous	1200Hz ———— -	125	90	600	115,3
56	Continuous, PFEER (Gasalarm)	1000Hz ———— -	114	84	556	111,8
57	Continuous, UK BS5839-1	950Hz ———— -	125	89	609	112,3
59	Continuous	880Hz ———— -	127	92	613	115
60	Continuous	825Hz ———— -	120	88	582	113,9
61	Continuous	800Hz ———— -	114	84	556	110,5
63	Continuous	725Hz ———— -	109	79	518	111,3
65	Continuous, Sweden SS031711 (All Clear)	660Hz ———— -	125	90	590	110,9
66	Continuous	554Hz ———— -	120	89	594	106,2
67	Continuous, Germany KTA3901 (All Clear)	500Hz ———— -	115	86	558	106,2
68	Continuous	470Hz ———— -	125	90	605	106,4
69	Continuous	440Hz ———— -	127	93	625	107,1
71	Continuous	340Hz ———— -	127	93	631	104,9

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Grund-Ton-Nr. (J)	Beschreibung / Description		115V AC	230V AC	24V AC	SPL (max.) +/- 3dB
			I rms/mA	I rms/mA	I rms/mA	dB(A) 1m
77	Intermittent	2400Hz 	100	72	477	116,5
82	Intermittent, PFEER (General Alarm), UK BS5839-1 (Back-up Alarm)	1000Hz 	85	64	402	111,9
83	Intermittent, PFEER (General Alarm)	1000Hz 	85	63	403	112,2
88	Intermittent	950Hz 	93	66	434	112,5
90	Intermittent	825Hz 	77	57	359	112,3
91	Intermittent	800Hz 	82	63	402	113,9
92	Intermittent	800Hz 	50	42	239	112,1
93	Intermittent (fast), electromechanical horn	800Hz 	77	56	343	110,9
97	Intermittent	725Hz 	92	69	435	111,6
98	Intermittent, Sweden SS 031711 (Imminent Danger)	700Hz 	82	65	396	109,7
100	Intermittent, Industrial Alarm (Germany)	680Hz 	83	67	406	111
101	Intermittent, Sweden SS031711 (Important Message (Pre Mess))	660Hz 	128	90	492	110,9
102	Intermittent, Sweden SS031711 (Local Warning)	660Hz 	90	66	334	110,8
103	Intermittent, Sweden SS031711 (Air Raid)	660Hz 	90	72	393	110,9
104	Intermittent, Sweden SS031711 (Imminent Danger)	660Hz 	85	62	393	110
107	Intermittent, Germany KTA3901 (evacuation)	500Hz 	62	48	299	106,4
109	Intermittent, Australia AS2220, AS1610, AS1670	420Hz 	95	67	477	107
110	Intermittent (fast variable), Bell	1450Hz 	103	76	479	110,5
111	Intermittent, ISO8201 (emergency evacuation signal), USA (evacuation)	470Hz 	80	62	370	106,8

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Grund-Ton-Nr. (J)	Beschreibung / Description		115V AC	230V AC	24V AC	SPL (max.) +/- 3dB
			I rms/mA	I rms/mA	I rms/mA	dB(A) 1m
112	Intermittent, ISO8201 (emergency evacuation signal)		85	62	399	112,6
113	Intermittent, ISO8201 (emergency evacuation signal) treble tone		95	69	406	111,3
115	Intermittent, IMO (Telefon Call)		110	77	489	112,9
116	Intermittent, IMO (abandon ship)		105	76	495	112,7
117	Intermittent, IMO SOLAS III/50 + SOLAS III/6.4 (General Alarm)		107	89	427	114,3
122	Alternating		140	97	680	116,1
123	Alternating		140	100	679	113,6
124	Alternating, Singapore		126	89	605	116,7
125	Alternating		128	92	620	115
128	Alternating		115	84	559	113,9
130	Alternating, UK BS5839-1 (Fire Alarm)		115	84	556	114,2
131	Alternating, UK BS5839-1 (Fire Alarm, Level crossing)		113	84	559	114,1
135	Alternating, UK BS5839-1 (Fire Alarm, increased urgency – Level crossing)		116	84	558	113,8
142	Alternating		122	88	592	113,5
143	Alternating, Germany Industrial Alarm		124	90	604	109,9
144	Alternating		125	89	615	110,9
146	Alternating, France NFS 32- 001 (fire alarm)		125	90	625	107,3
147	Alternating, Sweden SS031711 (turn out)		122	89	607	107,2
148	Alternating, Sweden SS031711 (turn out)		122	92	596	107,4
152	Alternating-intermittent		60	42	277	113,8