



MINI+

VETTA

PIC

Radio controls for concrete mixers

Radio controls for concrete mixers



E1 MINI+

ELCA-CLIP

AR E1 MINI

E1 VETTA

AR E1 MINI

E1 MINI+ transmitter, from 2 to 6 single-shot commands, self-retaining emergency stop, PL d cat. 3 EN ISO 13849-1, 4 feedback LEDs (manageable from the respective receiver inputs), replaceable internal lithium battery and fast charging with ELCA-CLIP USB cable. AR E1 MINI receiver.

MINI+ with MITO electronics:
PL c stop, status LED only, AR MITO MINI receiver.

E1 VETTA transmitter: 5 3-position selectors and self-retaining stop, PL d cat. 3 EN ISO 13849-1, 4 feedback LEDs (manageable from the respective receiver inputs), replaceable internal lithium battery and fast charging with ELCA-CLIP USB charging cable. AR E1 MINI receiver.

VETTA with MITO electronics:
PL c stop mushroom, status LED only, AR MITO MINI receiver.



E1 PIC

AR E1 MINI

E1 PIC transmitter: 3 3-position selectors and self-retaining mushroom stop, PL d cat. 3 EN ISO 13849-1, 4 feedback LEDs (manageable from the respective receiver inputs), replaceable internal lithium battery and fast charging with ELCA-CLIP USB charging cable. AR E1 MINI receiver.

PIC with MITO electronics:
PL c emergency stop, status LED only, AR MITO MINI receiver.

Technical Data

	E1	MITO
Radio frequency USM band	433,100 - 434,775 MHz	868,0125 - 870,000 MHz opt. 434,075 - 434,775 MHz opt. 920,000 - 921,150 MHz
Modulation frequency	GFSK	
Oper. temperature	-25 ÷ +55 °C	
Operating range	150 m	
Hamming distance	≥9	≥10
Passive stop time	< 0,5 s	< 1 s
Active stop time	< 0,1 s	< 0,35 s

Transmitters

Transmitters	E1 MINI+	MITO MINI+	E1 VETTA	MITO VETTA	E1 PIC	MITO PIC
Antenna	built-in		built-in		built-in	
Power supply	Lithium battery 3,7V 1100 mAh		Lithium polymer battery 3,7V		Lithium polymer battery 3,7V	
	Alkaline batteries 3xAA 1,5V					
Transmission consumption	< 45 mA	< 25 mA	< 45 mA	< 25 mA	< 45 mA	< 25 mA
Absorbed power	< 0,15 W	< 0,1 W	< 0,15 W	< 0,1 W	< 0,15 W	< 0,1 W
R.F. emission power	< 10 mW ERP	< 5 mW ERP	< 10 mW ERP	< 5 mW ERP	< 10 mW ERP	< 5 mW ERP
Charged battery autonomy	1 h -5 min.-100 sec.	about 10 min.	1 h -5 min.-100 sec.	about 10 min.	1 h -5 min. -100 sec.	about 10 min.
Autonomy with charged battery at 20°C	up to 20 ore	about 50 hours	about 20 hours	about 50 hours	about 20 hours	about 50 hours
Protection degree	IP65		IP65		IP65	

Receivers

	AR E1 MINI	AR MITO MINI
Power supply	12-24 Vdc	12-30 Vdc / 12-24 Vac ~ 50/60Hz
Protection degree	IP67	IP67
Dimensions (mm)	110x165x50	110x165x50
No. of available controls	8 On/Off	4/8/10 On/Off
N. of feedback inputs	4 On/Off	N.D.



ELCA srl
Via del Commercio, 7b
36065 Mussolente (Vicenza) ITALY
Tel. +39.0424.578500 - Fax +39.0424.578520
info@elcaradio.com - www.elcaradio.com

