ECXLAB[®] ELADOS[®] EMP-KKS

Diaphragm Piston Metering Pump

- High metering accuracy with degassing products
- Metering with smallest possible rate capability
- High operating safety by permanent self-venting



ELADOS[®] EMP-KKS:

- Multifunction electronics
- Flexible pulse & standard signal processing
- ▲ Optional available:
 - integrated pH or redox controller



Pump capacity [l/h]	0 - 0.5	0 - 0.9	0 - 1.4
Metering back pressure max. [kPa]	1000 (10 bar)		
Number of strokes [1/min.]	122		
Metering volume/stroke max. [ml]	0.068	0.12	0.19
Electrical version	 <u>E 10</u> On/off switch, mechanical stroke adjustment <u>E 60</u> On/off switch, mechanical stroke adjustment back-lit graphic display, 4 operating keys Single stroke control (each stroke is completely executed) Metering monitoring via stroke-signal output or via external metering-monitoring system (e.g. oval gear meter) possible Registration of operating and consumption data Diaphragm failure detection Selectable operating modes: 		
. Metering reading the net	Internal mode	External mode	
	Selection of metering rate/ metering frequency via: • Strokes/min • Percent • Liter/h (or gallon/h)	 Pulse mode (actuation via pulses) Pulse multiplication (one incoming pulse = n metering strokes) Pulse division (n incoming pulses = 1 metering stroke) Standard signal mode (actuation via external standard signal O/4-20mA or 20-0/4mA) Charge mode (a previously selected quantity is metered, with initiation via an external initiation pulse) 	
	Inputs	Outputs	
	 Level monitoring, package vessel (reserve and empty signal) Pulse Standard signal Enable 	 Level monitoring package vessel Stroke signal Malfunction 	
	<u>E</u> 60 ^{PLUS} as E 60, but additional display of real metering quantity/time and automatic readjustment of pump output (only in combination with external flow monitoring system, e.g. oval gear meter)		
Power supply	230 V / 50/60 Hz, special versions on request		
Protection class	IP 65		
Pump head material	PVDF		
Sealing material	FPM (Viton B)*, EPDM, FFPM (Kalrez)		
/alve ball material	ceramics		



A range of integrated accessories round off the complete programme for all metering applications.

Ecolab Engineering GmbH Postfach 1164 83309 Siegsdorf Tel. +49 8662 61 0 engineering-mailbox@ecolab.com www.ecolab.com

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* Standard