

ISTEP[®]

iNTELLIGENT | iNNOVATIVE | iNTUITIVE

- Adjustment range 1:1000
- Controlled by a microprocessor
- Flow capacity up to 50 l/h
- Counterpressure up to 10 bar
- Slow Mode, Timer
- Intuitive navigation
- Energy-efficient
- Remote control



Multiphase motor pump for sophisticated dosing tasks

sera iSTEP®

The new **sera** dosing pump iSTEP® combines an intelligent drive concept with the accuracy of a diaphragm pump. It sets new standards in terms of reproducibility and reliability.

Performance range: 0,015 .. 50 l/h at 10 .. 4 bar

Adjustment range: 1:1000

Fields of application

Due to the variable speed adjustment the possible applications are almost unlimited. It is intuitive to use, durable and particularly suitable for ambitious dosing tasks.

Examples of applications

- Dosing of chlorine for drinking water treatment
- Dosing of precipitants for waste water treatment
- Dosing of polymer
- and many more

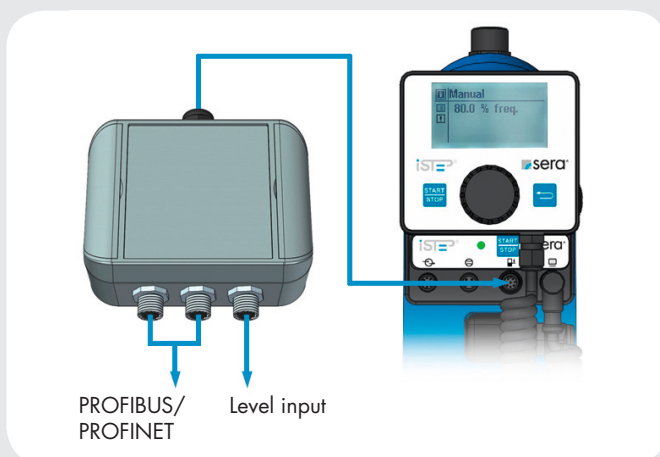
Advantages at a glance

- Extremely wide performance range with only one pump
- Adjustment range 1:1000, thus optimally adaptable
- Low pulsation dosage
- Drive controlled by microprocessor
- Flexible remote control
- Slow mode for viscous media
- Energy-efficient drive technology
(annual energy consumption lower 100 €)
- Batch dosing with recipe memory
- Intuitive menu navigation incl. parameterization
- Pulse division or multiplication
- Weekly/daily timer operation with 10 program memories
- 8 languages for the menu (de, en, es, fr, nl, cs, fi, tr)
- Certified accord. to UL/CSA and TR

iSTEP®



- Removeable graphic display with back light
 - Visualisation of operating modes incl. service information by colour display
 - Only one product for a wide power range
 - Used world wide thanks to a various range of power plugs
 - SD-Card Slot
 - USB Adapter (8-pole, M12)
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- 3 Inputs
 - 3x programmable as digital inputs or
 - 2x programmable as analogue inputs 0/4...20mA
 - 2 Digital outputs
 - 1 Analogue output for 0/4...20mA signal
 - All inputs are free programmable



Interface module

The control electronics of the iSTEP® can be extended via an Interface module. It consists of a level input and 2 connections for PROFIBUS/ PROFINET, whereby the iSTEP® can be directly connected to a bus system.

Transfer of the parameterization

- Fast commissioning of several pumps with same function
- Parameterization of the pumps with only one operating unit

The parametrization of the pump is stored in the operating unit. Subsequently the operating unit can be connected to further pumps and the stored parameters can be transferred.



Operating without operating unit

Every iSTEP® dosing pump can be used without operating unit, if the parameters have been read once.

Also the dosing pump can be used without the operating unit via START/STOP buttons at the housing of the iSTEP®.

Pump data

Type	Maximum permissible pressure at outlet of pump $P_{2 \text{ max.}}$ bar	Nominal capacity ⁽¹⁾ Q_N bei $P_{2 \text{ max.}}$		Suction height max. mWs	Permissible pressure at inlet of pump min./max. bar	Recommended nominal diameter of the connecting pipes DN	Nominal stroke frequency 50 Hz/60 Hz 1/min	Weight (plastic/stainless steel) approx kg
		50 Hz/60 Hz l/hw	ml/stroke					
iSTEP® S 15	10	15	1,3	3	-0,3/0,5	5	190	5,5 / 6,5
iSTEP® S 25	7	25	2,7	3	-0,3/0,5	5	150	5,5 / 6,5
iSTEP® S 50	4	50	4,3	3	-0,3/0,5	8	190	5,5 / 6,5

Electrical connection data

Type	Power consumption W	Frequency Hz	Voltage 50 Hz/60 Hz V ~ 3	Rated current (50 Hz/60 Hz)		Insulation class ISO	Recommended protection
				230 V A	115 V A		
iSTEP® S ..	75	50/60	110 - 240V	1,2	2	F	C10A

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