

DESOI FlowControl II - Z

No. 14236

Description

The DESOI FlowControl II - Z was conceived to monitor and record injection and metering processes with cementitious materials. It can be combined with all corresponding DESOI injection devices as well as with products of other manufacturers. The DESOI FlowControl II - Z can be used for different water-cement mixes and is simple to clean using a cleaning ball. It monitors and records the material consumption and injection pressure.

Material to be used

- Cement suspension
- Cement paste
- Pumpable grout

Delivery range

moving device, customer's choice of material hose connector, control box, 10 m power cable, main switch, control light, colour display mounted in a console with splash-protected USB connection for data transfer, 10 m connecting cable with integrated alarm, flow sensor, pressure sensor, notebook with software for data evaluation based on WIN 10 in conjunction with Microsoft Excel 2016, backup utility Acronius True Image 2018 and 32 GB USB stick Including professional instruction on the site by an experienced application technician and subsequent application support (approx. 2 hours). Arrival and departure will be charged on a time and material basis.

Advantages

- Cementitious materials up to grain size 8 mm
- Works well with most pump types and brands
- Easy to clean
- Carriage for easy portability

DESOI FlowControl II documents

- Material consumption per packer
- Injection pressure per packer
- Injection duration per packer
- Order of injections
- Re-injections
- Date and time of injection

The system automatically stops on

- Reaching pre-set parameters for material consumption
- Reaching pre-set parameters for injection pressure



1. Pressure sensor, connection material hose

2. Flow sensor

Technical data

| | |
|------------------------------|--------------------|
| Supply voltage (factory-set) | 110V/230 V |
| Power consumption | 350 W |
| Storage medium | integrated SD card |
| Storage capacity | 2 GB |
| Data transfer | USB flash drive |
| Measuring - range flow | 0.5 - 250l/min |
| Measuring - range pressure | 0 - 25 bar |
| Measuring accuracy | ± 2 % |
| Weight - control box | 44 kg |
| Weight - display | 2.7 kg |
| L x W x H | 70 x 54 x 101 cm |

DESOI FlowControl II

Description

The DESOI Flow Control II technology allows injection and metering processes to be electronically recorded. During the injection process, the data is monitored and then digitally processed. The DESOI Flow Control II devices permanently supervise the injection pressure, consumption rate and mixing ratio. In case of deviations or if pre-set parameters are reached, an alarm is activated and the injection procedure can be stopped. The completion of the injection can be verified and recorded using a stopwatch function. The operator starts the stopwatch after the injection is completed. If a drop in the pressure or a flow of material outside the defined tolerance range is detected during the monitoring, then the monitoring should be repeated. The entire protocol of all such recordings provides a complete documentation of each injection procedure, which should then be made available to the customer.

DESOI offers the following services

- Individual technical consulting
- Expert on-site instruction on the system
- System rental

Advantages for planners and owners

The DESOI Flow Control II technology ensures that the consumption rates and technical parameters as defined by project engineers are permanently monitored and maintained, eg. with regard to mixing ratio and injection pressure. The systems provided are reliable, robust, and proven on thousands of construction sites around the world, guaranteeing both safety and an exceptional level of injection quality. Systems can be pre-configured in accordance with project and application requirements.



Graphic colour display in desk housing