FLOW METER SMG06

D+P flow meters SMG06 immediately detect failures within a continuous application process. In case of discontinuous dosing of equal quantities, flow failures can also be detected accurately. D+P flow meters are ideally suited for monitoring almost all (viscous) liquids.
The modular and flexible design of the flow meters allows installation in new plants as well as integration into existing systems.
Flowm eters have been used successfully and reliably for many years in a wide variety of applications in assembly technology, automotive engineering, the pharmaceutical and chemical industries, the food industry, and many more.

The flow meters are a patent-protected proprietary development of D+P, Dosier- und Prüftechnik GmbH.

FUNCTIONALITY
The liquid deflects the sensor needle projecting into the adapter bore. The deflection is optically scanned, evaluated by the evaluation electronics and displayed. If the liquid flow contains an air bubble, this is detected and signaled.

EVALUATION ELECTRONICS FLC06

DP-S-006-000006

The processor-controlled evaluation electronics takes over the complete processing of the measuring signals supplied by the sensor. The measured value is shown on the bar display and continuously monitored for exceeding the programmed switching point.
The integrated sensor recognition enables continuous connection monitoring of the sensor. The operator can set the switching point, zero point, as well as pick-up and drop-out delay during operation via function keys.
The output signals must be recorded and evaluated with the aid of a higher-level control system.

FLOW METER SMG06

CONNECTION ADAPTER SAE

The connection adapter is used to install the flow sensor in the medium-carrying pipeline.
A connection adapter with deflection amplifier makes it possible to monitor even the smallest quantities in the range of 0.005 g with very low viscosity media, such as sewing machine oil, contact oil, etc.
Stainless steel standard finish.

DIFFERENT VERSIONS	
SAE 0,8/4	DP-S-004-000001
SAE 1,0/4	DP-S-004-000002
SAE 1,1/4	DP-S-004-000003
SAE 1,2/4	DP-S-004-000004
SAE 1,3/4	DP-S-004-000013
SAE 1,4/4	DP-S-004-000014
SAE 1,5/4	DP-S-004-000005
SAE 1,8/4	DP-S-004-000012
SAE 2,0/4	DP-S-004-000006
SAE 2,5/4	DP-S-004-000007
SAE 3,0/4	DP-S-004-000008
SAE 3,5/4	DP-S-004-000009
SAE 4,0/4	DP-S-004-000010
SAE 4,5/4	DP-S-004-000011

FLOW SENSOR SESL

A sensor needle projecting into the connection adapter detects the pressure of the medium flowing past. This pressure can be intensified by using a deflection amplifier. This makes it possible to detect even the smallest quantities and changes.
Flow sensor made of stainless steel.

DIFFERENT VERSIONS	
SESL 06-20	DP-S-002-000009
SESL 06-30	DP-S-002-000010
SESL 06-40	DP-S-002-000011
SESL 06-50	DP-S-002-000012
SESL 06-60	DP-S-002-000013
SESL 06-70	DP-S-002-000014
SESL 06-80	DP-S-002-000015
SESL 06-90	DP-S-002-000016

FLOW METER SMG06

CONNECTING CABLE VK06

For transmitting the measuring signals from the sensor to the evaluation electronics. Connecting cable with connector.

DIFFERENT VERSIONS		
VK 06-30	DP-S-005-000006	length = 3 m
VK 06-50	DP-S-005-000007	length = 5 m
VK 06-80	DP-S-005-000008	length = 8 m
VK 06-100	DP-S-005-000009	length = 10 m
VK 06-150	DP-S-005-000010	length = 15 m