

Get into the flow!

meister 



Flow

Product Overview 2013/2014





Company Profile:

For more than 25 years Meister is considered worldwide as the synonym for innovation and quality when it comes to flow measurement technology. Meister develops, manufactures and sells devices to measure and control flow of liquid and gaseous media.

The comprehensive product portfolio covers the whole range from simple monitoring devices up to high precision flowmeters. To meet the customer requirements in the best possible manner various mechanical and electronic measurement principles are used.

Intensive market analysis and close contact to our worldwide customers and resellers, guarantee that our solutions fit actual market requirements and meet or even exceed state-of-the-art technology.

Our employees are the motor of our company. Their motivation, their skill and desire to work closely with the customer are indispensable in attaining the formulated objective. Goals and requirements change however, and so it is a matter of course that, aside from continuous professional development, we also invest time in the furtherance of personal initiative and personal responsibility. In this manner, we have established a dedicated company structure, which is ready today to take on the challenges of tomorrow.

Our highly trained and experienced staff assures dependable consultation and first class service. Specific customer requirements can be implemented quickly, accurately and reliably using the latest technologies.

Quality is always our main focus. Since 2002 Meister is certified to DIN ISO 9001 standards and on request we can offer our products with UL/CSA certification as well as Ex-versions to meet ATEX standards.

Get into the flow

In 7 steps to success!



www.flowprofi.com



Meister Stroemungstechnik is pleased to announce new functions of its **FLOWPROFI**® product configurator. Utilizing the free online tool under www.flowprofi.com the user can select the matching flow meter(s) for his requirements from the Meister product portfolio. In just seven steps the online tool guides the user to the product which fits best to his needs.

1st Step: Basic data

Please choose the medium to measure respectively to monitor. Specify the flow rate then and medium-specific data if necessary.

Every input is required

Medium:

Nominal flow: I/min

2nd Step: Operation data

You can specify the operation data of the instrument in this step.

Flow: (*) I/min

Operating pressure: bar

Operating temperature: °C

(*) required

Found 161 instruments
Tolerance for input values: 10%
[Show instruments](#)

3rd Step: Technical data

You can input more technical data of your application in this step.

Maximum pressure: bar

Medium temperature: to °C

Ambient temperature: to °C

Connection:

Connection size:

Accuracy:

Orientation:

Found 144 instruments
Tolerance for input values: 10%
[Show instruments](#)

4th Step: Features

You can establish features of the instrument in this step.

Display:

Switch contact:

Electrical output:

Found 45 instruments
Tolerance for input values: 10%
[Show instruments](#)

5th Step: Materials

Here you have the opportunity to give your material wishes.

Main material:

Seal material:

Sensor element:
(float, impeller etc.)

Found 5 instruments
Tolerance for input values: 10%
[Show instruments](#)

6th Step: Approval

Here you can select the device-specific approval, if necessary for your application.

Approval:

Found 5 instruments
Tolerance for input values: 10%
[Show instruments](#)

Result

On the basis of your inputs FlowProfi was able to select 5 product proposals.

DUG
DUG-150 ★★★★★
DUG-250 ★★★★★
DUG-220 ★★★★★
DUG-110 ★★★★★

Download data sheet

RVO/U
RVO/U-1/150 ★★★★★

Download data sheet

Pictograms

Medium / Ranges



Water & other liquids
0,2 - 250 l/min

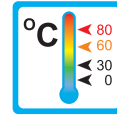


Air & other gases
3 - 2750 NI/min

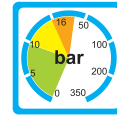


Oil
0,5 - 110 l/min

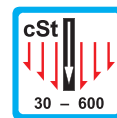
Operating conditions



Operating temperature
black: standard
orange/red: option



Operating pressure
green: standard
yellow/orange: option



Viscosity
30 - 600 cSt

Orientation / Flow direction



Any orientation
Any flow direction



Orientation horizontal
Any flow direction



Orientation vertical
Flow direction bottom to top

Display



Sight glass



Mechanical display



LED / LCD

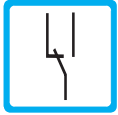


Combined display

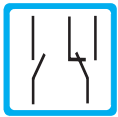
Switch contact



Normally open (SPST N.O.)

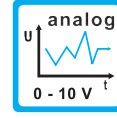


Change over (SPDT)

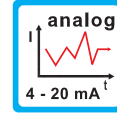


Normally open or change over

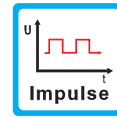
Output signal



Analog output
Voltage: 0 - 10 V



Analog output
Current: 4 - 20 mA



Pulse output

Standards



Explosion proof to ATEX

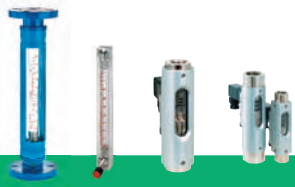


UL/CSA-certification

Product group

Overview
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Flow monitors and Flow indicators with sight glass

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01



Flow monitors and Flow indicators in full metal version

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02



Flow monitors and Flow indicators for Oil (viscosity compensated)

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03



Plastic flowmeters and monitors

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Flow sensors with impellers or turbines

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Target-disc-flowmeters

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Mechanical Accessories

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01

DWG



- wide measuring range
- sturdy construction
- burnt in scale

H₂O
0,1 - 50 l/min

°C
160
100
-20

bar
15 50 100 200 350

↑

2 2 3
1 1

Ex

CE **RU** **US**

01

DUG



- wide measuring range
- sturdy construction
- variable mounting

H₂O
0,2 - 250 l/min

°C
160
100
-20

bar
15 50 100 200 350

↕

2 2 3
1 1

Ex

CE **RU** **US**

01

RVO/U-1, RVO/U-2, RVO/U-4



- burnt in scale
- sturdy construction
- variable mounting

H₂O
0,005 - 150 l/min

°C
160
100
-20

bar
15 50 100 200 350

↕

2 2 3
1 1

Ex

CE **RU** **US**

01

DWG-L



- wide measuring range
- sturdy construction
- burnt in scale

AIR
3 - 1600 Nl/min

°C
80
-20

bar
15 50 100 200 350

↑

2 2 3
1 1

Ex

01

RVO/U-L1, RVO/U-L2, RVO/U-L4



- burnt in scale
- sturdy construction
- variable mounting

AIR
0,2 - 625 Nl/min

°C
160
100
-20

bar
15 50 100 200 350

↕

2 2 3
1 1

Ex

CE **RU** **US**

01

2100, 2150, 2300, 2340



- high accuracy
- easy installation
- low pressure drop

H₂O
0,1 - 1000 l/h

AIR
3 - 30000 Nl/h

°C
100
0

bar
15 50 100 200 350

↑

1 1

01

6001, 6002



- high accuracy
- high chemical resistance
- low pressure drop

H₂O
2,5 - 40000 l/h

AIR
0,07 - 1200 Nm³/h

°C
80
50
0
-20

bar
150
100
50
0
-20

↑

2 2 3
1 1

Ex

C **RU** **US**

analog

02

DWM



- wide switch range
- sturdy construction
- high operating pressure

H₂O
0,1 - 50 l/min

°C
160
100
-20

bar
150
100
50
0
-20

↑

2 2 3
1 1

Ex

C **RU** **US**

02

DWM/A



- wide measuring range
- sturdy construction
- high operating pressure

H₂O
0,1 - 50 l/min

°C
160
100
-20

bar
150
100
50
0
-20

↑

2 2 3
1 1

Ex

C **RU** **US**

02

DWM-L



- wide switch range
- sturdy construction
- high operating pressure

AIR
1 - 1450 Nm³/min

°C
80
-20

bar
150
100
50
0
-20

↑

2 2 3
1 1

Ex

02

DWM/A-L



- wide measuring range
- sturdy construction
- high operating pressure

AIR
1 - 1450 Nm³/min

°C
80
-20

bar
150
100
50
0
-20

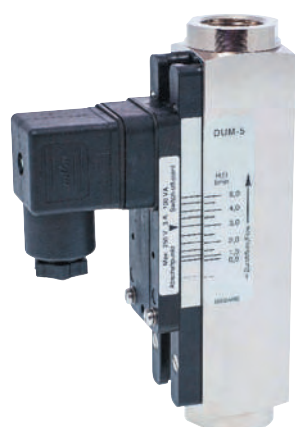
↑

2 2 3
1 1

Ex

02

DUM



- wide switch range
- sturdy construction
- any orientation

H₂O
0,2 - 250 l/min

°C
160
100
-20

bar
150
100
50
0
-20

↑

2 2 3
1 1

Ex

C **RU** **US**

02

DUM/A



- wide switch range
- sturdy construction
- variable mounting

H₂O
0.2 - 250 l/min

°C
160
100
-20

bar
100
200
300

+

2 2 3
1 1

W

Ex

UL US

02

M-21



- high accuracy
- short overall length
- low pressure drop

H₂O
0.4 - 1000 l/h

AIR
12 - 30000 Nm³/h

°C
210
180
-20
-80

bar
100
200
300

↑

W

analog

02

WBM-65



- for high flowrates
- flange connection
- variable mounting

H₂O
5 - 23 m³/h

°C
160
100
-20

bar
100
200
300

+

2 2 3
1 1

02

WBMC



- compact construction
- high operating pressure
- variable mounting

H₂O
8 - 22 m³/h

°C
160
100
-20

bar
100
200

+

2 2 3
1 1

Ex

02

RVM/U-1, RVM/U-2, RVM/U-4



- compact construction
- high operating pressure
- variable mounting

H₂O
0.005 - 150 l/min

°C
160
100
-20

bar
100
200
300

+

2 2 3
1 1

Ex

UL US

02

RVM/UA-1, RVM/UA-2



- compact construction
- high operating pressure
- variable mounting

H₂O
0.02 - 150 l/min

°C
160
100
-20

bar
100
200
300

+

2 2 3
1 1

Ex

UL US

02

RVM/U-S4



H₂O
0,005 - 5,0 l/min

°C
160
100
-20

bar
50
100
200
300

+

2
1

Ex

CE

- compact size
- hose connection
- variable mounting

02

**RVM/U-L1, RVM/U-L2,
RVM/U-L4**



AIR
0,8 - 650 Nm/min

°C
160
120
-20

bar
50
100
200
300

+

2 2 3
1 1

Ex

CE

- compact size
- high operating pressure
- variable mounting

02

RVM/UM



H₂O
0,1 - 120 l/min

°C
160
120
-20

bar
50
100
200
300

+

2 2 3
1 1

Ex

CE

- low switch point at high flowrates
- high operating pressure

02

RMU-A, RMU-B



H₂O
0,4 - 18,5 l/min

°C
160
100
-20

bar
50
100
200
300

+

2
1

- compact size
- high operating pressure
- variable mounting

02

SC-250



H₂O
2,5 - 180000 lh

AIR
0,1 - 5400 Nm³/h

°C
200
-50

bar
50
100
200
300

↑

analog
4 - 20 mA

Ex

- high accuracy
- sturdy construction
- large nominal sizes

03

DKG-1, DKG-2



OIL
0,1 - 90 l/min

cSt
30 - 600

°C
160
120
-20

bar
50
100
200
300

+

2 2 3
1 1

⚠

Ex

CE

- viscosity compensated
- sturdy construction
- special liquids possible

03

DKM-1, DKM-2



- viscosity compensated
- sturdy construction
- high operating pressure

OIL
0,5 - 110 l/min

cSt
30 - 600

°C
<160
<120
<-20

bar

Ex

CE **RU** **US**

03

DKM/A-1, DKM/A-2



- viscosity compensated
- sturdy construction
- high operating pressure

OIL
0,5 - 110 l/min

cSt
30 - 600

°C
<160
<120
<-20

bar

Ex

CE **RU** **US**

03

DKME



- viscosity compensated
- wide switch range
- high operating pressure

OIL
1 - 80 l/min

cSt
30 - 600

°C
<160
<120
<-20

bar

Ex

CE **RU** **US**

03

DKME/A



- viscosity compensated
- wide measuring range
- high operating pressure

OIL
1 - 80 l/min

cSt
30 - 600

°C
<160
<120
<-20

bar

Ex

CE **RU** **US**

04

KM-165, KM-185, KM-200



- high accuracy
- good readability
- PVC-U / PSU / PVDF

H₂O
1,5 - 1000 l/h

AIR
0,1 - 30 Nm³/h

°C
<100
60
0

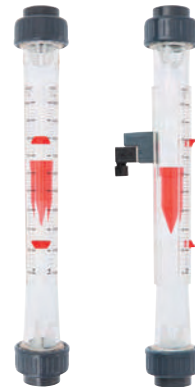
bar

Ex

CE **RU** **US**

04

KM-335, KM-350



- high accuracy
- good readability
- PVC-U / PA / PSU / PVDF

H₂O
10 - 60000 l/h

AIR
1,5 - 640 Nm³/h

°C
<100
60
0

bar

Ex

CE **RU** **US**

analog
4 - 20 mA

05

DHSF-, DHGF-, DIGA-2 & 4



H₂O
1,5 - 250 l/h

°C
80
0

bar
10 50 100 200 350



Impulse

analog

- high accuracy
- high chemical resistance
- threaded connection or hose connection

05

DHGF-10, DIGA-10



H₂O
50 - 1000 l/h

°C
80
0

bar
10 50 100 200 350



Impulse

analog

- high accuracy
- high chemical resistance
- threaded connection

05

DHTF-1



H₂O
0,15 - 10 m/s

°C
80
0

bar
10 50 100 200 350



Impulse

- high accuracy
- mounting via T-piece
- PP-version

05

FAA



H₂O
1 - 60 l/min

°C
90
-20

bar
10 50 100 200 350



- any orientation
- high reliability
- threaded connection

05

FRA



H₂O
0,7 - 100 l/min

°C
100
-20

bar
10 50 100 200 350



- any orientation
- high reliability
- threaded connection

05

TD...-15.../PPO



H₂O
2 - 40 l/min

°C
85
0

bar
10 50 100 200 350



Impulse

- wide measuring range
- high accuracy
- plastic version or brass version

05

TD...-25.../PP
TD...-25.../MS



- wide measuring range
- high accuracy
- PP-version or
- brass version

05

TD...-40.../MS



- wide measuring range
- high accuracy
- sturdy brass construction

06

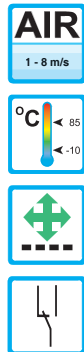
SPM



- low sensitivity to dirt
- high switch rating
- low pressure drop

06

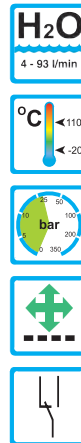
SPM-L



- low sensitivity to dirt
- high switch rating
- low pressure drop

06

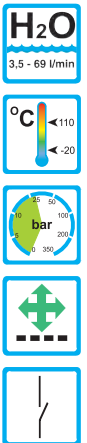
SPKM



- low sensitivity to dirt
- low pressure drop
- threaded connection

06

SPKR



- low sensitivity to dirt
- low pressure drop
- threaded connection

06

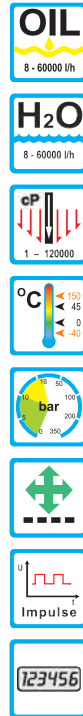
DP-65



- target-disc-flowmeter
 - high reliability
 - high temperatures
 - sandwich mounting

07

COVOL



- rotating piston
 - high accuracy
 - easy cleaning
 - for high viscosities

08

DMIK



- magnetic-inductive flowmeter
 - compact design
 - no moving parts
 - low pressure drop

09

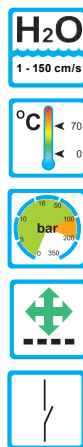
UDMS



- ultrasonic flowmeter
 - wide measuring range
 - integrated up-/down-stream section
 - display

10

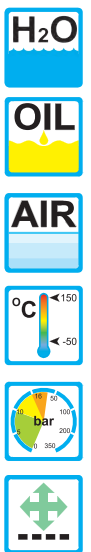
SKT-2



- status LED
 - no moving parts
 - low pressure drop

11

SF, SFD, SFM



- strainer
 - for high temperatures
 - high pressure resistance
 - easy cleaning

12

BA, BB, BC, BF



H₂O
1 - 420 l/min

°C
← 200
← -20

bar
0 50 100 150 200 250 300 350

+

flow limiter
- high reliability
- threaded connection or
- mounting between flanges

13

SIGNAL



analog transmitter
- analog output

13

MONITOR



analog transmitter
- analog output
- 1 switch point

°C
← 70
← -20

analog
i
4 - 20 mA^T

analog
u
0 - 10 V^T

⏏

13

DISPLAY



°C
← 70
← -20

analog
i
4 - 20 mA^T

analog
u
0 - 10 V^T

⏏

123456

analog transmitter
- analog output
- 2 switch points
- display

14

VSB



OIL

H₂O

°C
← 100
← -20

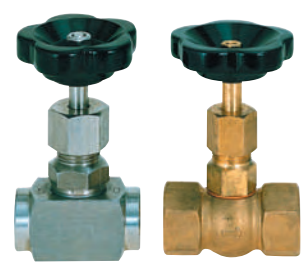
bar
0 50 100 150 200 250 300 350

+

block valve
- integrated needle valve
- gallery up to 12 units

14

NV



H₂O

AIR

°C
← 350
← 100
← -20

bar
0 50 100 150 200 250 300 350

+

needle valve
- for high temperatures
- high pressure resistance
- threaded connection



Certificate of Registration

QUALITY MANAGEMENT SYSTEM – DIN EN ISO 9001: 2008

This is to certify that:

Meister Strömungstechnik GmbH
Im Gewerbegebiet 2
63831 Wiesen
Germany

Holds Certificate No: **FS 529196/1792/1D**

and operates a Quality Management System operated by the entire **Meister Strömungstechnik group of companies** (FS 529196/1792D) which complies with the requirements of **DIN EN ISO 9001:2008** for the following scope:

Development, Manufacturing and Sales
of Components for the Process Industry

For and on behalf of BSI:

Managing Director, BSI Management Systems (Germany)

Originally registered: **09.04.2002**

Latest issue: **30.07.2011**

Expiry date: **23.06.2014**



OMS/EMS-TGA-ZM-08-92

Page: 1 of 1

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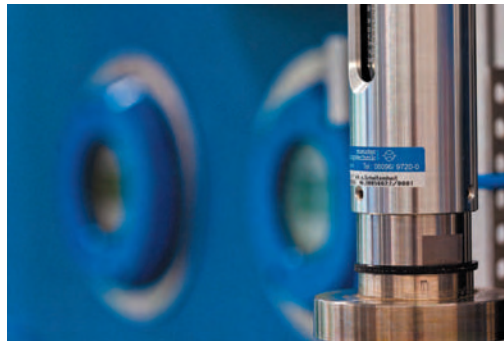
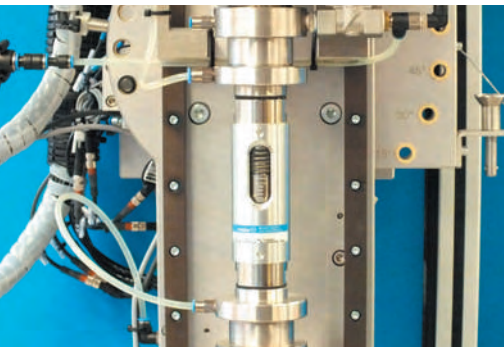
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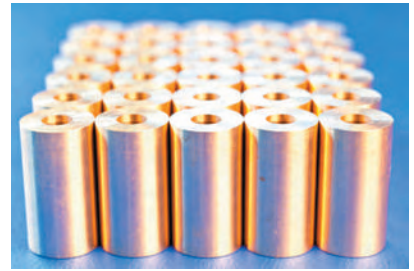
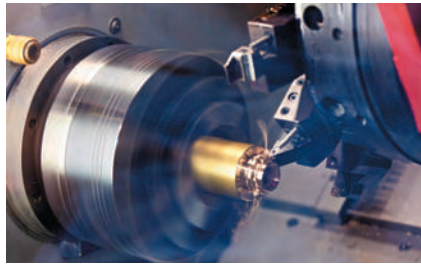
Innovation

Competence and creativity are the basis for innovative products. Our research and development department reacts quickly and flexibly to customer requests and market requirements. The department monitors all projects from the planning stage to prototype production.



Precision

Quality and precision of our products are checked at regular intervals. The test equipment is monitored and recalibrated at fixed intervals.



Production

Our in house production allows us to respond quickly to customer requirements. We invite you to use the experience and flexibility of MEISTER STROEMUNGSTECHNIK and to work with us in designing the flow measurement devices you need.



Communication & Presentation

The personal dialog with customers and the prospective customers enables us to jointly find the best solution for your measuring application. To keep you informed on our entire product line and to get to know each other, we regularly exhibit at the most important fairs. This also ensures that we get information from the market, which helps to ensure that we can consistently deliver innovative solutions to meet your specific requirements.



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