

ROBUST HIGH QUALITY FLOW MONITORS

High accuracy DP Flow Meter Multiple functions for gases and liquids



Flow Meter for Liquids & Gases, Delta P



The well-documented differential pressure measuring principle with exchangeable orifice-plates is the base for this construction. In combination with two independent absolute piezoresistive pressure sensors it gives you a compact Flow Meter which also can be used for three different modes. Through the Eletta software Flow Center you can easily change function to:

- Gas flow measurement
- Liquid flow measurement
- Differential Pressure

The M-series is one of the smallest gas flow meters on the market to measure most gases with an automatic compensation for changes in pressure and temperature.

As Flow meter for liquids as oil and water it is an accurate meter that can be used with different pipe sections in most sizes. M3-series comes in three pressure classes: 10, 25 and 50 bar.

S-Series V-Series D-Series M-Series TIVG-Series R-Series SP-G SP-GA EF-G



- Temperature & pressure compensated in gas flow measurement
- Three instruments in one Gas, Liquid and Differential Pressure
- Configurable through a laptop computer
- Two-wire power supply
- 4 20 mA output linear to flow
- Temperature reading through Flow Center
- Option with Display showing; flow rate, flow total and value of 4-20 mA output

The M-Series Flow Meter

The Eletta M-series Flow Meter is a unique product that can be used in three different modes: gas and liquid flow and differential pressure measurement. The product is the result of the work of engineers with many years of experience in designing flow monitors, flow switches and flow meters at Eletta Flow, Sweden.

The M-series has an intelligent pressure assembly that uses two independent, absolute piezoresistive pressure sensors and calculates the differential pressure from their output. The sensor signal is measured up to 500 times per second with a highly precise 16-bit A/D converter.

After each measurement, the exact pressure value is calculated (elimination of the linearity- and temperature errors). The analog output signal is updated via the D/A converter.

There is also a temperature sensor in the sensor assembly. One of the pressure sensors measures the static pressure in the process pipe and, together with the temperature, the M-series intelligent electronics corrects for variation in volume due to temperature or pressure changes in gas flow measurements.

The display (option) is a Loop Powered Display of OLED 128*32 pxls to show flow rate, flow total and 4-20 mA analog output value. Chose between multiple Units of Measurement like LPM, CMH, LPS, CFM, CFH and Flow%. Other units may be available on request.

It has push buttons to reset the totalized value, rotate the display, change flow range and unit of measurement when changing the orifice plate.

The well-proven and acknowledged principle of measuring flow with an orifice plate, creating a differential pressure that corresponds to the flow of liquids and gases, is hereby combined with a new smart pressure sensor arrangement in a compact and versatile flow meter with three possible modes of operation. As an OEM product, it will be difficult to match the performance–price ratio that the lightweight three-mode M-series Flow Meter can offer.

Modular design

All the Eletta Flow Monitors can be fitted to any of the various Eletta Flow Monitor Pipe Sections to suit your application. The Instrument consists of two parts mainly, i.e. the Pipe Section and the Control Unit. The Pipe Section is the part that is to be mounted in the process pipe and the Control Unit is mounted directly (standard) or remote onto the Pipe Section.

As the Control Unit is pre-calibrated before leaving our production facilities, you can change pipe sections in the field to fit other dimensions and materials than originally ordered without recalibration.

Eletta Specials



Separate Version

Eletta can also provide several specials, like separate pipe section and Control unit, for example to avoid vibrations.



Optional cover in stainless steelCover in stainless steel for harsh environment.



Add a 4...20mA Signal With our parallel plate it is simple to combine the M series with an existing Flow Monitor of our V, S or D-series.



Web Configurator Visit our website and configurate your own Eletta Flow Monitor. www.eletta.com





4 variation of process connection, 2 solid materials: universal Stainless Steel 316L or classic Brass



M3-G..BR Series
Housing of PA 12
Grilamid and pipe section
constructed of copper alloy
and fitted with BSP/NPT
threads from 15-25 mm (1/2"
– 1").



M3-G..SS Series
Housing of PA 12
Grilamid and pipe-section
constructed of 316L
stainless steel and fitted
with BSP/NPT threads from
15-25 mm (1/2" – 1").



M3-GL Series
Housing of PA 12 Grilamid and threaded brass pipe connection. Available in BSP/NPT threads from 15-40 mm (½" – 1 ½").



M3-FA Series
Housing of PA 12 Grilamid and flanged pipe connection in painted steel. Available in DIN/ ANSI from 15-400 mm (1/2" – 16").



M3-FSS Series
Housing of PA12 Grilamid and flanged (wafer) pipe section of 316L stainless steel. Available from 15-500 mm (½" – 20").



Option

- with display

Visualization of the flow rate and flow total values for direct reading.

Flow range 0,2–25 000 l min (liquid), to choose

the right range, please refer to the table of Measuring ranges

Flow turndown 1:10

Cover PA 12 Grilamid with conductive

layer inside

Wetted Material Copper alloy, painted steel,

stainless steel, 316L

Rubber Parts Nitrile (HNBR), EPDM and

Fluorinated rubber (FPM)

Min pressure* - M310: 1 bar(g) (14,5 PSI)

- M325: 1,75 bar(g) (25,4 PSI)
- M350: 3 bar(g) (43,5 PSI)
* Minimum pressure to get a proper reading, provided there is a

flow in the system.

Max pressure - M310: 10 bar(g) (145 PSI)

- M325: 25 bar(g) only for threaded pipes G15-25BR/SS and GL40. FA/ FSS pipes 16 bar(g). - M350: 50 bar(g) only for threaded pipes G15-25BR/SS and GL40. FA/ FSS pipes 16 bar(g).

Temp. Control unit -10°C to 100°C. (Sensors

compensated from -10°C to 80°C.)

Ambient Temp - -10°C to 70°C

With display

Max. temp. Pipe section G..BR, -GL, -FA 120°C

G..SS, F..SS 250°C

Enclosure: IP67 without Display & IP65 with

Display

Process connections: DN 15-40, BSP/NPT thread

DN15-500 DIN/ANSI flange (wafer)

Accuracy +/- 1% FS of the default differential

pressure (M310: 500 mbar, M325: 1250 mbar, M350: 2500 mbar) at

reference conditions.

Display (option) Loop powered Display of OLED

128*32 pixels.

For complete specification of various models please refer to the manual.

Certificates



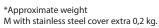




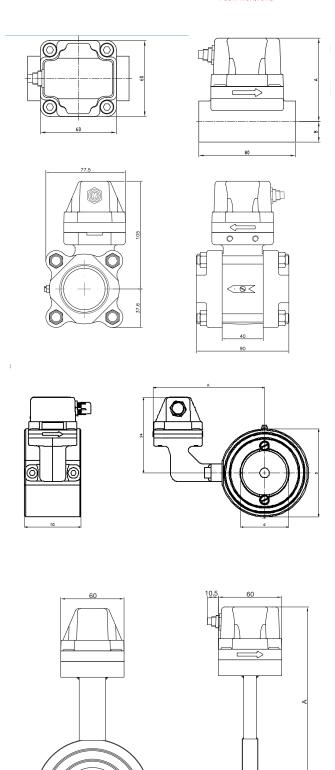
Weight and Dimensions



| G, thread | | | | | | |
|-----------------|-----------|-----------|-----------|---------------|--|--|
| Туре | d | A (mm) | B (mm) | Weight kg* | | |
| -G15 | 1/2″ | 66 | 14 | 0,8 | | |
| -G20 | 3/4" | 69 | 17 | 0,9 | | |
| -G25 | 1″ | 73 | 21 | 3,5 | | |
| GL, tread | GL, tread | | | | | |
| Туре | d | A (mm) | B (mm) | Weight kg* | | |
| -GL40 | 1 1/2" | 105 | 38 | 2,3 | | |
| FA, flange | DIN-PN1 | 6 | | | | |
| Туре | d | D (mm) | A (mm) | Weight kg* | | |
| -FA15 (1/2") | 16 | 53 | 108 | 2,6 | | |
| -FA20 (3/4") | 22 | 63 | 112 | 3,0 | | |
| -FA25 (1") | 30 | 73 | 118 | 3,2 | | |
| -FA32 (1 1/4") | 39 | 84 | 124 | 3,7 | | |
| -FA40 (1 1/2") | 43 | 94 | 129 | 4,4 | | |
| -FA50 (2") | 55 | 109 | 137 | 4,5 | | |
| -FA65 (2 1/2") | 70 | 129 | 147 | 5,6 | | |
| -FA80 (3") | 82 | 144 | 155 | 6,4 | | |
| -FA100 (4") | 107 | 164 | 165 | 6,8 | | |
| -FA125 (5") | 132 | 194 | 181 | 8,9 | | |
| -FA150 (6") | 160 | 219 | 193 | 9,8 | | |
| -FA200 (8") | 207 | 274 | 220 | 13,7 | | |
| -FA250 (10") | 260 | 330 | 248 | 17,3 | | |
| -FA300 (12") | 310 | 385 | 277 | 20,0 | | |
| -FA350 (14") | 340 | 445 | 307 | 30,6 | | |
| -FA400 (16") | 390 | 498 | 333 | 39,5 | | |
| FSS, flan | ge DIN-P | N16 | | | | |
| Туре | d | D (mm) | A (mm) | Weight kg* | | |
| -F15SS (1/2") | 17 | 53 | 143 | 1,6 | | |
| -F20SS (3/4") | 22 | 63 | 149 | 1,7 | | |
| -F25SS (1") | 29 | 73 | 154 | 1,8 | | |
| -F32SS (1 1/4") | 39 | 84 | 160 | 1,9 | | |
| -F40SS (1 1/2") | 43 | 94 | 165 | 2,0 | | |
| -F50SS (2") | 55 | 109 | 173 | 2,2 | | |
| -F65SS (2 1/2") | 70 | 129 | 183 | 2,5 | | |
| -F80SS (3") | 82 | 144 | 191 | 2,6 | | |
| -F100SS (4") | 107 | 164 | 201 | 3,0 | | |
| -F125SS (5") | 132 | 194 | 216 | 3,6 | | |
| -F150SS (6") | 160 | 219 | 239 | 4,1 | | |
| -F200SS (8") | 207 | 274 | 266 | 5,5 | | |
| -F250SS (10") | 260 | 330 | 295 | 7,5 | | |
| | l . | | I | 1 | | |

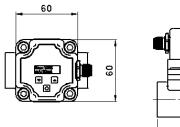


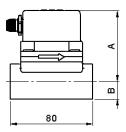
For F..SS are other standards of pressure available as option.



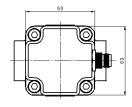


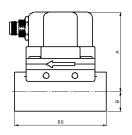
M-display with GxxBR



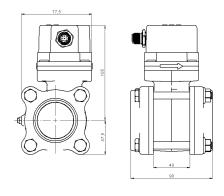


M-Stainless with GxxSS

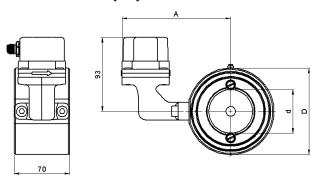




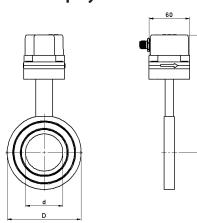
M-display with GL



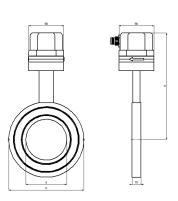
M-display with FA



M-display with FxxSS



M-Stainless with FxxSS



Standard Measuring Ranges

For M310 and M325



| Dim. Pipe Range Imin | M310 | (M10) | dp-range: | 0 - 500 mbar |
|--|------------|--------|--------------|--------------|
| Thread DN15 (GL15) 0,5 - 5 1 - 10 2,5 - 25 5 - 50 1 - 10 2,5 - 25 5 - 50 1 - 10 2,5 - 25 5 - 50 1 - 10 2,5 - 25 5 - 50 1 - 10 2,5 - 25 5 - 50 1 - 10 2,5 - 25 5 - 50 8 - 80 80 80 80 80 80 | Dim. | | Pipe | |
| Thread DN20 | Thread | DN15 | | |
| Thread DN20 G20 1 - 10 | | | | |
| Thread DN20 G20 1 | | | | 1 - 10 |
| Thread 3/4" (GL20) | | | | |
| Thread 3/4" (GL20) | | | | |
| Thread DN25 | Thread | | | |
| Thread DN25 | | 3/4" | (GL20) | |
| Thread DN25 | | | | 1 1 |
| Thread DN40 GL40 5 50 10 100 1 | T 1 | 5110- | | |
| Thread DN40 GL40 5 | Thread | | | |
| Thread DN40 11/2" | | ' | (GL23) | |
| Thread DN40 | | | | 1 |
| Flange DN15 FA15 0,2 - 2 10 10 10 10 10 10 10 | Thread | DN40 | GI 40 | - |
| Flange DN15 1/2" FA15 F15SS 0,2 - 5 0,5 - 5 1 - 10 5 - 50 Flange DN20 3/4" FA20 F20SS 1 - 10 5 - 50 Flange DN25 1" FA25 F25SS 1 - 10 8 - 80 Flange DN25 1" FA25 F25SS 1 - 10 100 17,5 - 175* Flange DN32 11/4" FA32 F32SS 5 - 50 10 - 100 30 - 300** Flange DN40 11/2" FA40 F40SS 5 - 50 10 - 100 30 - 300 Flange DN50 2" FA50 F50SS 10 - 100 25 - 250 Flange DN65 2" FA65 F65SS 25 - 250 50 - 500 Flange DN80 3" FA80 F80SS 25 - 250 50 - 500 Flange DN100 4" FA100 F100SS 50 - 500 100 - 1000 Flange DN1105 5" FA125 F125SS 100 - 1000 200 - 2000 Flange DN150 6" FA150 F150SS 100 - 1000 200 - 2000 400 - 4000 Flange DN200 8" FA250 F250SS 500 - 5000 500 - 5000 Flange DN250 10" FA250 F250SS 500 - 5000 | IIIIcaa | | GETO | |
| Flange DN20 FA25 | | | | 30 - 300 |
| Flange DN20 FA20 | Flange | DN15 | FA15 | 0,2 - 2 |
| Flange DN20 FA20 1 - 10 3/4" F20SS 5 - 50 8 - 80 Flange DN25 FA25 1 - 10 1" F25SS 5 - 50 17,5 - 175* Flange DN32 FA32 5 - 50 17,5 - 175* Flange DN40 FA40 5 - 50 11/2" F40SS 10 - 100 30 - 300** Flange DN50 FA50 10 - 100 30 - 300 Flange DN65 FA65 25 - 250 50 - 500 Flange DN80 FA80 25 - 250 50 - 500 Flange DN80 FA80 25 - 250 80 - 800*** Flange DN80 FA80 25 - 250 80 - 800*** Flange DN100 FA100 FA100 FA100 F1000 F100SS 100 - 1000 F1000 F1000 F100S Flange DN150 FA150 100 - 1000 F1000 F100S Flange DN150 FA150 100 - 1000 F150SS 200 - 2000 F150SS 200 - 2000 F150SS 200 - 2000 F150SS 200 - 2000 F150SS 500 - 5000 F150SS 500 - 5000 F1000 F100S 500 F150SS 500 - 5000 F1000 F100S 500 F150SS 500 - 5000 F1000 F100S 500 F100S 500 - 5000 F1000 F100S 500 - 5000 F1000 F100S 500 - 5000 F100S 500 - 5000 F100S 500 - 5000 F1000 F100S 500 - 5000 F100S 500 - 5000 F1000 F100S 500 - 5000 F100S 500 - | | 1/2" | F15SS | 0,5 - 5 |
| Flange | | | | |
| Flange DN25 FA25 | | | | - |
| Flange DN25 | Flange | | | |
| Flange DN25 FA25 1 - 10 Flange DN32 FA32 5 - 50 Flange DN40 FA32 5 - 50 Flange DN40 FA40 5 - 50 Flange DN50 FA50 10 - 100 Flange DN65 FA65 25 - 250 Flange DN80 FA65 25 - 250 Flange DN80 FA80 25 - 250 Flange DN100 FA100 50 - 500 Flange DN100 FA100 50 - 500 Flange DN125 FA125 100 - 1000 Flange DN150 FA125 100 - 1000 Flange DN150 FA150 100 - 1000 Flange DN200 FA200 500 - | | 3/4" | F2055 | |
| Flange DN32 FA32 5 - 50 117,5 - 175* Flange DN32 FA32 5 - 50 11/4" F32SS 10 - 100 30 - 300** Flange DN40 FA40 5 - 50 11/2" F40SS 10 - 100 30 - 300 Flange DN50 FA50 10 - 100 2" F50SS 25 - 250 50 - 500 Flange DN65 FA65 25 - 250 50 - 500 Flange DN80 FA80 25 - 250 3" F80SS 50 - 500 100 - 1000 Flange DN100 FA100 50 - 500 Flange DN105 F100SS 100 - 1000 Flange DN125 F125SS 200 - 2000 Flange DN150 F10SS 200 - 2000 Flange DN150 F150SS 200 - 2000 Flange DN150 F150SS 200 - 2000 Flange DN200 F150SS 200 - 2000 Flange DN200 F250SS 500 - 5000 Flange DN200 F3200 - 7000 Flange DN250 F250SS 500 - 5000 F100 F250SS 500 - 5000 T00 - 7000 F100 F250SS 500 - 5000 T00 - 7000 F100 F250SS 500 - 5000 | | | | |
| Flange DN32 FA32 5 - 50 1 1/4" F32SS 10 - 100 30 - 300** Flange DN40 FA40 5 - 50 1 1/2" F40SS 10 - 100 30 - 300 Flange DN50 FA50 10 - 100 2" F50SS 25 - 250 50 - 500 Flange DN65 FA65 25 - 250 50 - 500 Flange DN80 FA80 25 - 250 50 - 500 Flange DN80 F80SS 50 - 500 100 - 1000 Flange DN100 FA100 50 - 500 Flange DN105 F100SS 100 - 1000 Flange DN125 F125SS 200 - 2000 Flange DN150 F150SS 200 - 2000 Flange DN150 F150SS 200 - 2000 Flange DN200 F150SS 200 - 2000 Flange DN200 F320S 500 - 5000 Flange DN200 F320S 500 - 5000 Flange DN200 F320S 500 - 5000 Flange DN250 F3250 500 - 5000 F100S 500 - 5000 | Flange | | | 1 ' ' 1 |
| Flange DN32 1 1/4" FA32 F32SS 5 50 50 Flange DN40 1 1/2" FA40 F40SS 5 - 50 Flange DN50 2" FA50 F50SS 10 - 100 Flange DN65 2 1/2" FA65 F65SS 25 - 250 Flange DN80 3" FA80 F80SS 25 - 250 Flange DN100 4" FA100 F100SS 50 - 500 Flange DN1125 5" FA125 F125SS 100 - 1000 Flange DN150 6" FA150 F150SS 100 - 1000 Flange DN200 8" FA200 F200SS 200 - 2000 Flange DN250 10" FA250 F250SS 500 - 5000 | | ' | F2555 | 1 1 |
| Flange DN40 FA40 5 - 50 FA50 10 - 100 30 - 300** Flange DN50 FA50 10 - 100 F50S 25 - 250 50 - 500 F65S 50 - 500 80 - 800*** Flange DN80 FA80 25 - 250 50 - 500 F80S 50 - 500 100 - 1000 F100 F100S 100 - 1000 F100S 100 - 1000 F100S F100S 50 - 500 100 - 1000 F100S 50 - 500 100 - 1000 F100S 50 - 5000 F100S 500 - | Flance | DN33 | EARR | |
| Flange DN40 FA40 5 - 50 FA50 10 - 100 30 - 300 FESS 25 - 250 50 - 500 FIBrange DN80 FR80S 50 - 500 FR80S 50 - 500 FIBrange DN100 FR80S 50 - 500 FR80S 500 - 5000 FR80S 5000 - 5000 FR80S 500 - | riange | | | 1 1 |
| Flange DN40 11/2" FA40 F40SS 5 - 50 100 - 1000 300 - 3000 Flange DN50 2" FA50 10 - 100 - 1000 500 - 500 Flange DN65 2" FA65 25 - 250 - 500 Flange DN65 21/2" FA65 50 - 500 - 500 Flange DN80 3" FA80 25 - 250 - 500 - 500 Flange DN100 4" FA100 50 - 500 - 500 Flange DN100 4" FA100 50 - 500 Flange DN125 5" FA125 100 - 1000 - 1000 - 1000 - 1000 Flange DN150 6" FA150 100 - 1000 - 1 | | , . | 10200 | '* '* |
| Flange DN50 2" FA50 10 - 100 30 - 300 F50SS 25 - 250 50 - 500 F65SS 50 - 500 80 - 800*** Flange DN80 FA80 25 - 250 80 - 800*** Flange DN80 FA80 25 - 250 50 - 500 100 - 1000 F100SS 100 - 1000 F100SS 100 - 2000 F10SS 100 - 1000 | Flange | DN40 | FA40 | |
| Flange DN50 2" FA50 F50SS 10 - 100 25 - 250 Flange DN65 2 1/2" FA65 F65SS 25 - 250 50 - 500 Flange DN80 3" FA80 F80SS 25 - 250 50 - 500 Flange DN100 4" FA100 F100SS 50 - 500 100 - 1000 Flange DN125 5" FA125 F125SS 100 - 1000 200 - 2000 Flange DN150 6" FA150 F150SS 100 - 1000 200 - 2000 300 - 3000 Flange DN200 8" FA250 F200SS 500 - 5000 700 - 7000 Flange DN250 10" FA250 F250SS 200 - 2000 500 - 5000 | riarige | | | 10 - 100 |
| Flange DN65 FA65 S | | | | 30 - 300 |
| Flange DN65 2 1/2" F65SS 50 - 500 80 - 800*** Flange DN80 FA80 25 - 250 100 - 500 100 - 1000 1000 1000 1000 1 | Flange | DN50 | FA50 | 10 - 100 |
| Flange DN65 2 1/2" FA65 F65SS 25 - 250 80 - 800*** Flange DN80 3" FA80 F80SS 25 - 250 50 - 500 100 - 1000 Flange DN100 4" FA100 F100SS 50 - 500 100 - 1000 Flange DN125 5" FA125 F125SS 100 - 1000 200 - 2000 Flange DN150 6" FA150 F150SS 100 - 1000 200 - 2000 300 - 3000 Flange DN200 6" FA250 F200SS 200 - 2000 500 - 5000 Flange DN250 10" FA250 F250SS 200 - 2000 500 - 5000 | | 2" | F50SS | 1 |
| Flange DN100 FA100 FA105 FA125 F125S DN150 FA150 FA150 F150SS DN120 FA200 F200S FA200 F200S FA250 F0 - 5000 F100 F100S DN150 FA150 F150SS DN120 FA250 F200S F0 - 5000 F0 - 5000 F0 - 5000 F100 F100S DN150 FA150 F150SS DN150 F150 | | | | |
| Flange DN80 F80SS 50 - 250 3" F80SS 50 - 500 100 - 1000 Flange DN100 F100SS 100 - 1000 200 - 2000 Flange DN125 FA125 100 - 1000 200 - 2000 Flange DN150 FA150 100 - 1000 F150SS 200 - 2000 4" F100SS 200 - 2000 5" F125SS 200 - 2000 400 - 4000 Flange DN200 F200SS 500 - 5000 Flange DN250 F250SS 500 - 5000 | Flange | | | |
| Flange DN80 3" FA80 F80SS 25 - 250 50 - 500 100 - 1000 Flange DN100 4" FA100 F100SS 50 - 500 100 - 1000 200 - 2000 Flange DN125 5" FA125 F125SS 100 - 1000 200 - 2000 300 - 3000 Flange DN150 6" FA150 F150SS 100 - 1000 200 - 2000 400 - 4000 Flange DN200 8" FA200 F200SS 200 - 2000 500 - 5000 700 - 7000 Flange DN250 10" FA250 F250SS 200 - 2000 500 - 5000 | | 2 1/2" | F0555 | |
| Flange DN100 FA100 S0 - 500 - 500 | Flagaria | DNIGO | FACC | |
| Flange DN100 FA100 50 - 500 F100SS 100 - 1000 200 - 2000 F125 F125SS 200 - 2000 300 - 3000 F150SS 200 - 2000 400 - 4000 F150SS 500 - 5000 F200SS 500 - 5000 F250SS 500 - 5000 | Fiange | | | 1 |
| Flange DN100 4" FA100 F100SS 50 - 500 100 - 1000 200 - 2000 Flange DN125 5" FA125 F125SS 100 - 1000 200 - 2000 300 - 3000 Flange DN150 6" FA150 F150SS 100 - 1000 200 - 2000 400 - 4000 Flange DN200 8" FA200 F200SS 200 - 2000 500 - 5000 700 - 7000 Flange DN250 10" FA250 F250SS 200 - 2000 500 - 5000 | | | 10055 | l l |
| Flange DN150 FA150 100 - 1000 200 - 2000 Flange DN150 FA150 100 - 1000 300 - 3000 Flange DN200 FA200 200 - 2000 400 - 4000 Flange DN200 FA200 200 - 2000 700 - 7000 Flange DN250 FA250 200 - 2000 F250SS 500 - 5000 5000 | Flange | DN100 | FA100 | |
| Flange DN125 FA125 100 - 1000 5" F125SS 200 - 2000 300 - 3000 Flange DN150 FA150 100 - 1000 6" F150SS 200 - 2000 400 - 4000 - 4000 Flange DN200 FA200 200 - 2000 700 - 5000 700 - 7000 Flange DN250 FA250 200 - 2000 F250SS 500 - 5000 | , larige | | | 1 |
| Flange DN150 F125SS 200 - 2000 300 - 3000 Flange DN150 F150SS 200 - 2000 400 - 4000 Flange DN200 F200S 500 - 5000 700 - 7000 Flange DN250 F250SS 500 - 5000 5000 - 5000 | | | | 200 - 2000 |
| Flange DN150 F125SS 200 - 2000 300 - 3000 Flange DN150 F150SS 200 - 2000 400 - 4000 Flange DN200 F200S 500 - 5000 700 - 7000 Flange DN250 F250SS 500 - 5000 5000 - 5000 | Flange | | FA125 | 100 - 1000 |
| Flange DN150 6" FA150 F150SS 100 - 1000 200 - 2000 400 - 4000 Flange DN200 8" FA200 F200SS 200 - 2000 500 - 5000 700 - 7000 Flange DN250 10" FA250 F250SS 200 - 2000 500 - 5000 | - | | F125SS | |
| Flange DN200 FA200 200 - 2000 8" F200S 500 - 5000 F250S 500 - 5000 F250S 500 - 5000 F250S 500 - 5000 | | | | |
| Flange DN200 FA200 200 - 2000 F200S 500 - 5000 700 - 7000 Flange DN250 FA250 200 - 2000 F250SS 500 - 5000 | Flange | | | |
| Flange DN200 F200SS 500 - 2000 700 - 7000 Flange DN250 FA250 200 - 2000 700 - 5000 700 - 5000 | | 6″ | F150SS | |
| Flange DN250 FA250 500 - 5000 700 - 7000 F250SS 500 - 5000 | | BNISSS | | |
| Flange DN250 FA250 200 - 2000 F250SS 500 - 5000 | Flange | | | 1 |
| Flange DN250 FA250 200 - 2000 10" F250SS 500 - 5000 | | 0 | F20033 | 1 |
| 10" F250SS 500 - 5000 | Elange | DNISEO | EAREO | |
| | riange | 10″ | | |
| | | . | | 1200 - 12000 |

| M325 (| (M25) d | p-range: (| 0 - 1250 mbar | | |
|--------|---------|------------|-----------------------------|--|--|
| | | | Measuring | | |
| Di | m. | Pipe | range I/min | | |
| Thread | DN15 | G15 | 0,5 - 5 | | |
| | 1/2" | (GL15) | 1 - 10 | | |
| | | | 2,5 - 25 | | |
| | | | 5 - 50 | | |
| | | | 7,5 - 75 | | |
| Thread | DN20 | G20 | 1 - 10 | | |
| | 3/4" | (GL20) | 2,5 - 25 | | |
| | | | 5 - 50 | | |
| | DNOF | 625 | 12 - 120 5 - 50 | | |
| Thread | DN25 | G25 | 5 - 50 10 - 100 | | |
| | 1″ | (GL25) | 20 - 200 | | |
| Thread | DN40 | GL40 | 10 - 100 | | |
| Imread | 1 | GL40 | 20 - 200 | | |
| | 1 1/2" | | 40 - 400 | | |
| Flange | DN15 | FA15 | 0.5 - 5 | | |
| Harige | 1/2" | F15SS | 1 - 10 | | |
| | 1/2 | 1 1555 | 5 - 50 | | |
| | | | 7,5 - 75 | | |
| Flange | DN20 | FA20 | 1 - 10 | | |
| | 3/4" | F20SS | 5 - 50 | | |
| | | | 12 - 120 | | |
| Flange | DN25 | FA25 | 5 - 50 | | |
| | 1" | F25SS | 10 - 100 | | |
| | | | 25 - 250* | | |
| Flange | DN32 | FA32 | 10 - 100 | | |
| | 1 1/4" | F32SS | 20 - 200 | | |
| | | | 40 - 400** | | |
| Flange | DN40 | FA40 | 10 - 100 | | |
| | 1 1/2" | F40SS | 25 - 250 | | |
| | | | 50 - 500 20 - 200 | | |
| Flange | DN50 | FA50 | | | |
| | 2″ | F50SS | 50 - 500 80 - 800 | | |
| | DNCE | FACE | 30 - 300 | | |
| Flange | DN65 | FA65 | 60 - 600 | | |
| | 2 1/2" | F65SS | 120 - 1200*** | | |
| Flange | DN80 | FA80 | 50 - 500 | | |
| Harige | 3" | F80SS | 100 - 1000 | | |
| | , | 1 0033 | 200 - 2000 | | |
| Flange | DN100 | FA100 | 50 - 500 | | |
| | 4" | F100SS | 100 - 1000 | | |
| | | | 300 - 3000 | | |
| Flange | DN125 | FA125 | 100 - 1000 | | |
| | 5" | F125SS | 300 - 3000 | | |
| | | | 500 - 5000 | | |
| Flange | DN150 | FA150 | 100 - 1000 | | |
| | 6" | F150SS | 300 - 3000 | | |
| | | | 700 - 7000 | | |
| Flange | DN200 | FA200 | 200 - 2000 | | |
| | 8″ | F200SS | 500 - 5000 | | |
| F | DNC | FACTO | 110 - 11000 | | |
| Flange | DN250 | FA250 | 200 - 2000 500 - 5000 | | |
| | 10" | F250SS | 1700 - 3000 1700 - 17000 | | |

*For ANSI: Max.: 0-120 **For ANSI: Max.: 0-200

***For ANSI: Max.: 0-700

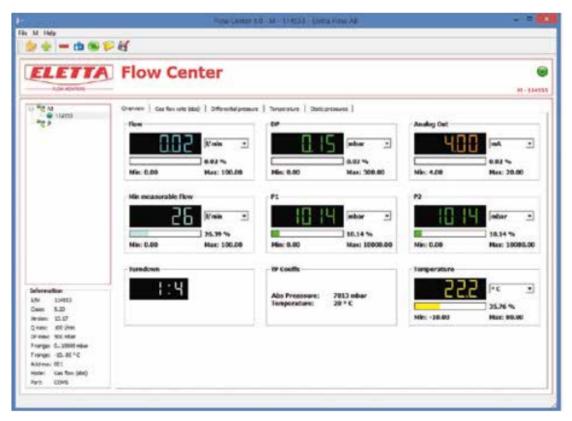
- Measuring ranges are for liquids
- dp-range are customer settable in the field using Flow Center

^{*}For ANSI: Max.: 0-120 **For ANSI: Max.: 0-200 ***For ANSI: Max.: 0-700

Flow Center



Eletta has developed the Flow Center software, which enables the user of the M-series to read flow, temperature and pressure parameters simultaneously. It can also be used to reconfigure the M-series electronics in the field. Flow Center can be downloaded from Eletta web page. To communicate with the software you will need a special USB communication cable for the M-series. Flow Center makes it possible for the user to make zero adjustments, span settings, analog output settings, etc. The communication cable may be ordered as an option to the M-series.



This picture shows the software's interface. The Overview tab gives a clear overview of all parameters in real time.



Connect up to 128 units in a network and collect data digitally over the RS-485, a proven interface for industrial usage able to send Modbus several hundred meters.

Beside the flow, are the additionally received values the pressure and temperature from the two sensors in a 16-bit data format.

Ordering code



| ie | | | | | | | | | | |
|---------|--|-----------------------|--------|--------------------------------|-----------------|-------|---|--------------------------------|------------------------------------|--|
| | | | | | | | | | | |
| Pre | essur | ssure range | | | | | | | | |
| 10 | 10 b | ar | | | | | | | | |
| 25 | 25 b | ar | | | | | | | | |
| 50 | 50 b | ar | | | | | | | | |
| | Cov | er | | | | | | | | |
| | - | Standa | ard | | | | | | | |
| | | With d | | | | | | | | |
| | SS | Stainle | ss ste | el | | | | | | |
| | | Pipe | secti | ion | | | | | | |
| | | G-BR | Thre | ad, bras | 5 | | | | | |
| | | G-SS | Thre | ad stain | ess steel | | | | | |
| | | GL40 | | ad, bras | | | | | | |
| | | FA | | | ed steel | | | | | |
| | | F-SS | | | less steel | | | | | |
| | | | Dim | nensio | | | | | | |
| | | | 15 | 1/2" | | | r Flange FA, F-SS | | | |
| | | | 20 | 3/4" | | | r Flange FA, F-SS | | | |
| 32 1" | | | 1″ | Thread G-BR or Flange FA, F-SS | | | | | | |
| | | | | Flange FA, F-SS | | | | | | |
| | 40 1" 1/2 Thread GL40 or Fland | | | | | | | | | |
| | | 50 2" Flange FA, F-SS | | | | | | | | |
| | 65 2" 1/2 Flange FA, F-SS | | | | | | | | | |
| | | | | | ge FA, F-SS | | | | | |
| | 100 4' | | | | Flange FA, F-SS | | | | | |
| | 125 5" Flange FA, F-SS | | | | | | | | | |
| | 150 6" Flange FA, F-SS | | | | | | | | | |
| | 200 8" Flange FA, F-SS 250 10" Flange FA, F-SS | | | | | | | | | |
| | | | 230 | 10 | | | ions on request | | | |
| | Media | | | | | | | | | |
| Water | | | | | | | | | | |
| | | | | Oil | | | | | | |
| | | | | Gas | Please spe | cifv: | Pressure, working temperature and type of | gas | | |
| 1 | | | | Other | | | | | | |
| | | | | | <u> </u> | | a alternative A/R on all units | | | |
| | Measuring range | | | | | | | | | |
| | See separate table | | | | | | | | | |
| Options | | | | | | | | | | |
| | | | | | | υp | Rubber parts in other material | Parallell connection M with GL | | |
| | | | | | | | Separate Mounting Kit | | Parallell connection M with FA | |
| | | | | | | | Manifold with shut-off valve | | Parallell connection M with F-SS | |
| | | | | | | | Pipe seciton with NPT connections | | Parallell connection M with TIVG-F | |
| | | | | | | | | | | |

Example of Code

M310-G15BR, Water, 1-10 l/min

Pipe section with ANSI connections

All combinations are not possible so please check upon ordering.