

- Long life up to 100 Mio. movements, depending on application
- Outstanding linearity up to $\pm 0.04\%$
- High resolution better than 0.01 mm
- Very high operating speed
- Connection via plug and socket to DIN EN 175301-803 (previous DIN 43650, hydraulic connector)
- Protection class IP55

- Manufacturing Engineering (plastic injection molding, textile, packaging, sheet metal and wood work machinery)
- Automation technology

By mounting overhead on difficult-to-reach spaces it is possible to premount the clamps to the mounting surface and then simply "snap-on" the transducer. The transducer has mounting grooves on all four housing surfaces. Thus the transducer can always be mounted with the resistance element directed upwards (recognizable by the position of the middle mounting groove directly across from the resistance element), independent of the mounting surface. Erosion particles from inside the transducer will therefore not remain on the resistance element, improving the life of the sensor.

Material	Housing: aluminium, anodized Actuating rod: stainless steel AISI 303, 1.4305, rotatable, external thread M6
Mounting	Adjustable clamps and cylinder screws M4x20 (included in delivery)
Fastening torque of mounting	max. 200 Nm
Bearing	Slide bearing, pendular fixed
Resistance element	Conductive plastic
Wiper	Precious metal multi-finger wiper, elastomer damped
Electrical connection	Plug socket to DIN EN 175301-803, 4-pin (mating plug connector GDM 3009 for cable Ø 4.5 ... 7 mm and sealing gasket GDM 3-16 included in delivery)

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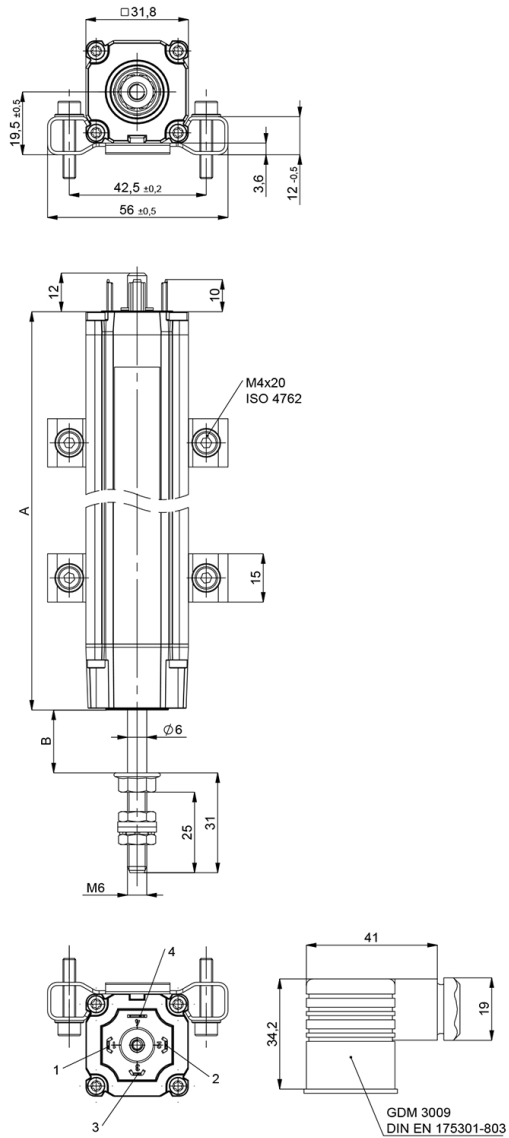
Ordering Specifications

P/N	Type
400024502	LWH-0050
400024503	LWH-0075
400024504	LWH-0100
400024560	LWH-0110
400024505	LWH-0130
400024506	LWH-0150
400024507	LWH-0175
400024508	LWH-0200
400024509	LWH-0225
400024510	LWH-0250
400024511	LWH-0275
400024512	LWH-0300
400024513	LWH-0325
400024561	LWH-0350
400024514	LWH-0360
400024515	LWH-0375
400024516	LWH-0400
400024517	LWH-0425
400024518	LWH-0450
400024520	LWH-0500
400024522	LWH-0550
400024524	LWH-0600
400024526	LWH-0650
400024530	LWH-0750
400024532	LWH-0800
400024536	LWH-0900

Accessories included in delivery

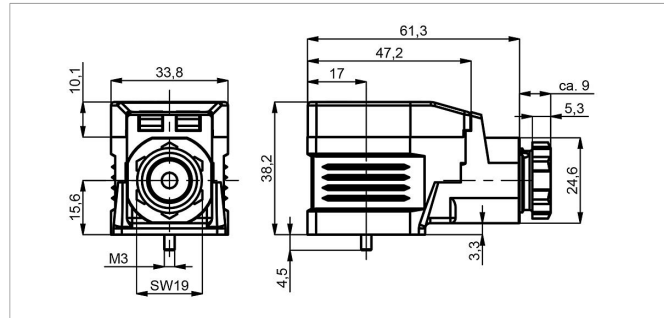
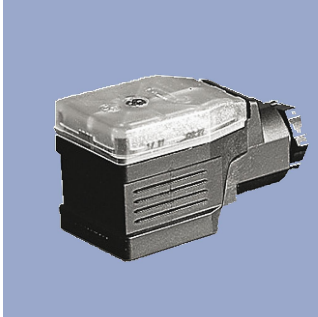
- Adjustable clamps (snap in on all sides) and cylinder screws M4x20
- Mating plug connector GDM 3009 for cable Ø 4.5 mm ... 7 mm, includ. sealing gasket GDM 3-16

Drawing



CAD data see
www.novotechnik.de/en/download/cad-data/

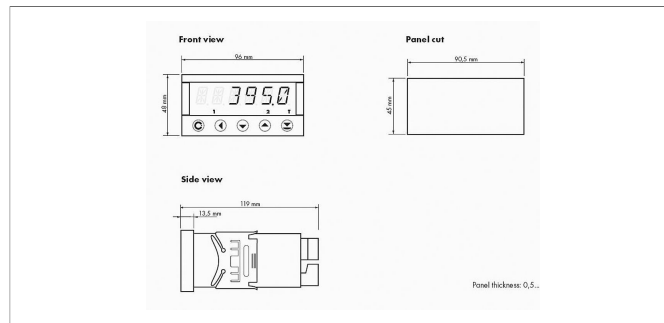
Signal Processing



MUW

Signal conditioner integrated in mating plug connector with 24 V and standard output signals.
MUW-200: range and zero point not adjustable
MUW-250: range and zero point adjustable
Detailed data see separate data sheet.

P/N	Type	Output
400054101	MUW-200-0	0 ... 20 mA
400054102	MUW-200-1	0 ... 10 V
400054103	MUW-200-4	4 ... 20 mA
400054151	MUW-250-0	0 ... 20 mA
400054152	MUW-250-1	0 ... 10 V
400054153	MUW-250-4	4 ... 20 mA



MAP-4000

Multifunctional measuring device with digital display for direct connection of potentiometric and normalized signals.

- Supply voltage 10...30 VDC, 80...250 VDC or AC
- High accuracy up to 0.1%
- Adjustable supply voltage for sensors 5...24 V
- Temperature coefficient 100 ppm/K
- Optional RS 232, RS 485, analog output, limited switch
- Complete data see separate data sheet

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