

## FLS-150-100 FLOW SENSOR

### Properties

- To be used for break-monitoring of internally cooled tools
- Suitable for different flowrate measuring ranges
- Degree of protection IP65
- Compact design
- Simple installation

The flow sensor FLS-150-100 suits rough industrial conditions and is employed in combination with all ARTIS tool and process monitoring systems.



Illustration similar

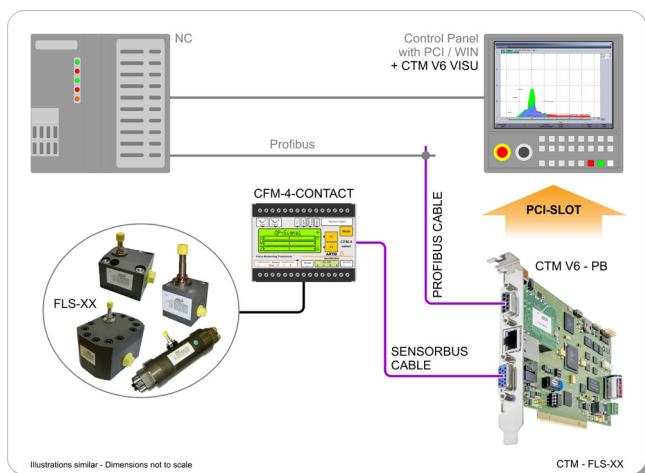
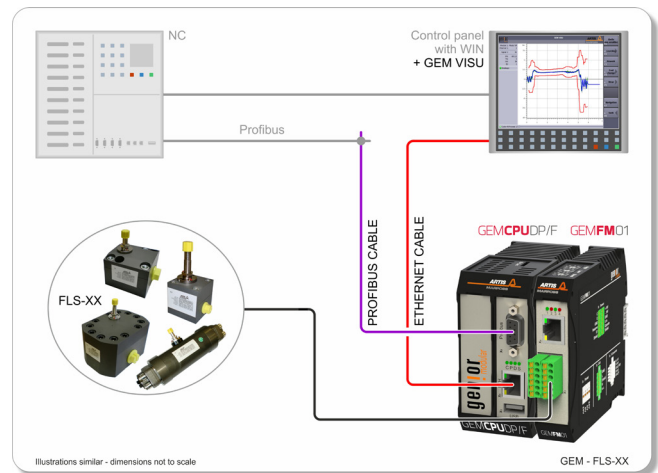


Illustration similar

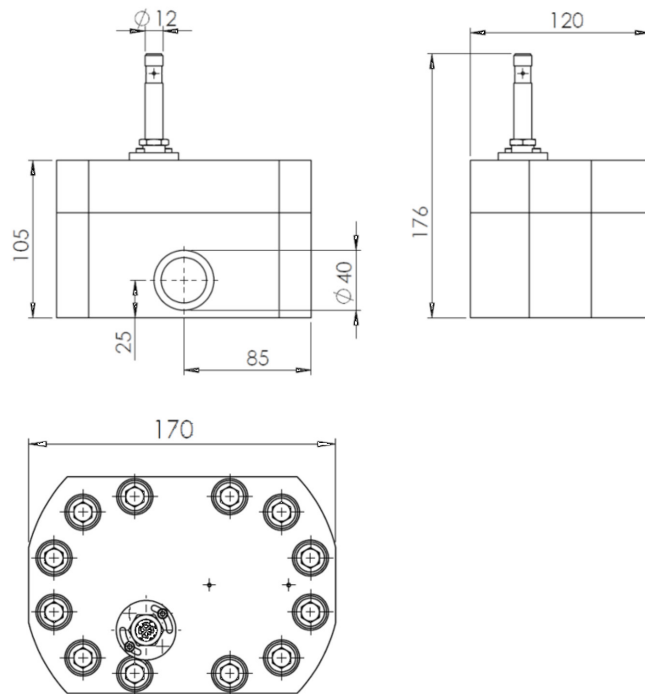


Application example:

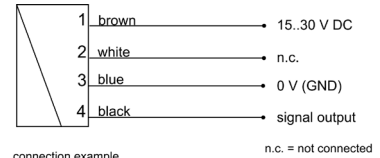
**FLS** Flow Sensors with CFM-4 CONTACT Universal Measuring Transducer in the CTM Tool and Process Monitoring System.

Application example:

**FLS** Flow Sensors with GEMFM01 Force Measuring Transducer in the GENIOR MODULAR Tool and Process Monitoring System.



### Electrical connection diagram



connection example



<b>FLS-150-100</b>	
CODE	03PZ1211004

DIMENSIONS	120 mm x 170 mm x 176 mm
MATERIAL	Aluminium, anodized
WEIGHT	6.3 kg
THREADED CONNECTION	G 1"
DEGREE OF PROTECTION	IP65
OPERATING TEMPERATURE	0 °C ... +70 °C
ELECTRICAL CONNECTION	For round connectors M 12x1, 4 poles, 10 m connecting cable (incl. connector)
VOLTAGE SUPPLY	15 – 30 V
VOLTAGE OUTPUT	0 – 10 V
CHARGING RATE	< 25 mA (without load)

MAX. PRESSURE	100 bar
MEASURING RANGE	3 – 150 l/min
FREQUENCY	5.22 cm <sup>3</sup> = 1 pulse max. 479 Hz at 150 l/min
ACCURACY	3 % of measured value (measured at flow rate or 20 mm <sup>2</sup> /s)
REPEATABILITY	± 0.3%
USABILITY	Viscous fluid, self-lubricating media (technical soaps, pastes and non abrasive emulsions)
FILTER RANGE	< 30 µm
CONFORMITY	CE, UKCA



**Important notice!**  
Dirt particles must not get into the flow chamber, as this might cause the blockage of the gearwheels.  
It may therefore be necessary to install filters upstream of the sensor (mesh size < 30 µm).



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For a full list of address locations, please consult the Marposs official website

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