# **Technical Data**

# **Litronic FMS planar sensor P78**



Capacity determination with high-frequency-stray field
20 MHz
outside silo via deflector, on conveyor belt with sliding shoe, pipes, worm conveyor
0 – 100 % moisture content (measuring window adjustable)
3 fF
32.64 ms
+/- 0.05 % moisture content <sup>1.)</sup>
digital: RS485, multiprocessor protocol
16
1200 m
830V, 0.4 VA
-10 – 90 °C
+/- 0.5 °C
5 – 72 °C
-20 – 80 °C
-25 – 80 °C
IP68
UNITRONIC®ROBUST C 7x0,14 shielded
6 m
Zirkon oxid (ZrO <sub>2</sub> Al <sub>2</sub> O <sub>3</sub> )
V4A (1.4404)
78 / 57 mm alternative: 30 / 94 mm



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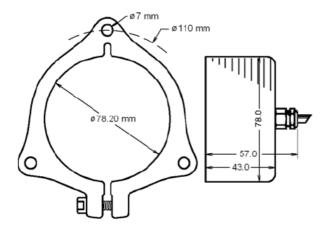
Weight without cable:	0,500 kg
Weight clamping flange:	0,300 kg

1.) Representative according to the batch or the period of continuous operation with the corresponding evaluator Litronic-FMS II, depending on material, ideal material flow and calibration according to the rules.

## **Features**

- · Capacitive measuring method.
- Sensor replacement without re-calibration.
- Sensitivity adjustable in three shoulders.
- Integral microprocessor c/w mean value computing.
- Material flow identification.
- Temperature compensation.
- Limit value check.
- Digital measured value transfer and recording.
- High-strength ceramic wear shield.
- · Stainless steel housing.

### Measurement gauge:



### Master gauge for holes:

