

# Temporary Technical Data Version 2

## Litronic-FMS planar sensor P78-E22 🖾





### **Basic Data**

Capacity determination with high-frequency stray field
16 - 22 MHz
Outside silo via deflector, on conveyor belt with sliding shoe, pipes, worm conveyor, tanks,
0 – 100 % moisture content (measuring window adjustable)
10 fF
32,64 ms
16 - 22 10 <sup>6</sup>
+/- 0,05 % moisture content
digital: RS-485, Multi-processor protocol
16
1200 m
830V, 0.4 VA
-10 - 90 °C
+/- 0,5 °C
5 - 72 °C
-20 - 80 °C
( ) ( )



### **Temporary Technical Data**

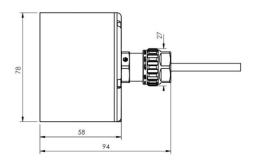
Version 2

Storing temperature:	-25 - 80 °C
Protection class:	IP68
Connecting cable type / length	Multispeed 500-C PUR UL/CSA 7G0,5mm2 (20AWG) black, 6 m
Material wear protection:	Zirkon oxide (ZrO <sub>2</sub> AI <sub>2</sub> O <sub>3</sub> )
Material shell / flange:	V4A 1.4404 (Option: 1.4571)
Dimension: Ø / height:	78 / 94 mm
Weight without cable:	0,900 kg
Weight clamping flange:	0,300 kg
Type examination certificate	in the approval process
Ex-identification	(Ex) II 3D Ex Tc IP6x T120°C Dc

### X Please take care on following special conditions of use!

- $\hfill \Box$  For the power supply of the sensor use only a power supply for the relevant device category.
- $\hfill\Box$  The cable can only be installed movable if the ambient temperature around is between 5  $^{\circ}\text{C}$  and 70  $^{\circ}\text{C}$ .
- If the cable has to be connected within the potentially explosive area, the cable must have a minimum protection class of IP-6x or another accepted type of protection for that area.
- ☐ The allowed ambient temperature is between -20 °C and + 80 °C.

### Dimensional drawing:



### Assembly / Master gauge:

