

Incyte Unit DN12 - 120

Specification Sheet (Part/REF # 243700)



Incyte measures permittivity of viable cells. The signal can be correlated to the viable cell density (VCD) measured offline. This on-line VCD sensor can be used directly in the bioreactor for real-time process control, eliminating the need for offline sampling.

Product Specifications

Sensor Family	Incyte
Parameter	Viable Cell Density
a-length	120 mm
Electrical Connector	M12
Measurement Principle	Permittivity
Measuring Range	0 to 700 pF/cm, equivalent to 5×10^5 to 8×10^9 cells/mL (mammalian) or 5 to 200 g/L dry weight (bacteria and yeast)
Diameter	12 mm
Process Connection	PG13,5
Wetted Parts	Platinum Stainless Steel 1.4435 PEEK (Polyetheretherketone) EPDM (Ethylene propylene elastomer) See compliance details in Material Specification document
Surface Quality of Steel	Ra < 0.4 μm (N5)
Certificate	Yes
Autoclavable	Yes, max. Temperature 130 °C
CIP	Yes
Steam Sterilizable	Yes, max. Temperature 135 °C
Operating Temperature Range	0 to 60 °C
Conductivity Range	2 to 50 mS/cm
Pressure Range bar g	0 to 12 bar

Specifications are subject to change without notice
<https://www.hamiltoncompany.com/sensors/243700>

Spec. Version B