

PARTICLE COUNTING FOR PERMANENT INSTALLATION

Filtertechnik's **SI20-PM-ATEX** provides an online, ATEX Zone 2 rated particle monitoring solution for permanent installation.

Utilising breakthrough digital imaging technology, the unit provides greater insight into the size and type of particulate in any oil system. Air bubble elimination and shape recognition give root cause particle analysis.

The SI20-PM-ATEX digital image particle counter is Filtertechnik's solution for advanced online condition monitoring capable of counting a broad spectrum of particles, recognising shapes and eliminating air bubbles from the counts. Digital image particle counting provides engineers with a deeper insight into their oils.

The sensor can measure a broad spectrum of particles ranging from 4μ to $> 70\mu$, displayed as ISO, particle and bubble counts at each particle size range.



SI20-PM-ATEX FEATURES

LCD display

View sensor data

Enclosure

ATEX Zone 2 rated

Particle counter

ATEX Zone 2 rated


Power in

F24 VDC (20-28 VDC)

Fluid connection ports

1/8" BSP connection

TECHNICAL INFORMATION

Dimensions	(w)371mm x (d)188mm x (h)401mm (14.6" x 7.4" x 15.8")
Weight	7kg
Finish	Stainless Steel
Nominal Voltage	24 VDC
Voltage Range	20-28 VDC
Cleanliness standards	ISO 4406
Viscosity range	Up to 2400 cSt (if pressure limit is not exceeded)
Fluid compatibility	Diesel & oil (hydraulic, lubrication, mineral, synthetic)
Fluid temperature	0 to 60°C (oils), 0 to 50°C (diesel)
Ambient temperature	0°C to +40°C
Environment	ATEX ZONE 2 
Connections	1/8" BSPP, 60° coned
Pressure	0-5 bar nominal, 100 bar maximum
Flow	Calibrated for 20ml/min.
Certification	Factory calibration certificate, CE declaration, ATEX Zone 2 rated
Verification frequency	12 months recommended

TECHNICAL DRAWING

