



XO1100P Technical Spec In-Process Particle Sizer

TECHNICAL SPECIFICATIONS

Size Range	2.5 to 1100 microns
Accuracy	±2% of x (50) using approved traceable standards
Supply voltage	+12V DC
Operating Current	350mA
PC to Sizer Serial Communications	RS422
PC to PLC	Serial data & Ethernet to allow output of user selectable result
Sampling rate	2000 samples per second
Sampling resolution	16-bit analogue to digital converter
Laser	5mW 635nm semiconductor laser diode
Analogue Output	2 x opto isolated 12-bit analogue outputs 4 to 20mA
Digital Inputs	2 x general purpose opto isolated digital
Digital Outputs	3 x general purpose opto isolated open collector digital outputs
Local Display	2 lines x 16 characters backlit LCD
Temperature Range	-10 to 50°C standard range: (extended range -30 to +70°C)
Industrial protection	IP65 as standard
Maximum distance from instrument to PC	1.2km
Dimensions	-