

THE Lechintech

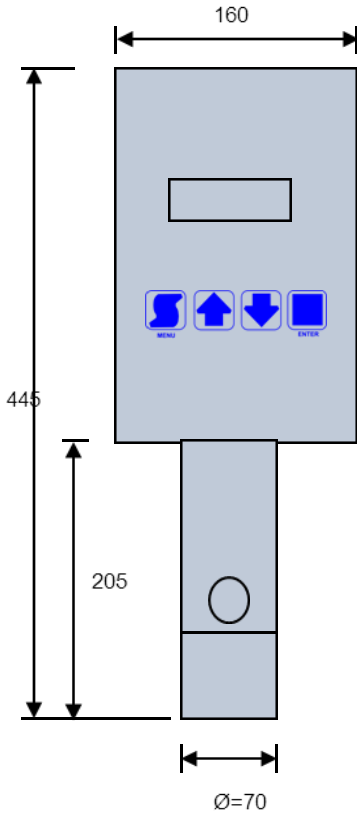


Lechintech
ION CHARGE ANALYSERS

SCD 16 Plus

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**SCD Model 16Plus
ION CHARGE ANALYSER**



Technical data

SCD Model 16Plus

measuring modes	Ionic Charge (ICu)
measuring sensor	Lechintech Ion Charge Analyser, Model 16Plus
samples	On-line samples direct from the process Manual collection from selected points in the process,
sample cyclone	Cyclone - with inlet and drain regulation valves sample flow rate 30 to 40 l/min
communications interface	4-20 mA linear output scaled -5.00 to +5.00 ICu adjustable up to ± 10 ICu - max load 500 Ohms 4-20 mA control output, pulsed control output
remote I/O	Hold, Manual Force Select, Calibrate, External SP, Manual Force Input,
instrument alarms	Potential free alarm contact - 250 VAC 1 Amp Output Alarm, Deviation Alarm, Trip Alarm
calibration	Model 16Plus - two point : zero adjust and positive span in cationic standard solution 4-20 mA outputs calibrated using external ammeter Adjustment via keypad
PIC resolution	12-bit ADC
Motor speed control	Setpoint range 3,5Hz to 4,5Hz
accuracy	Ion Charge : ± 0.1 ICu
sensitivity	Dependent on cell wear, compensated for by regular calibration - within 1%
response time	2-5 seconds, dependent on sample. Stabilization of readings can take up to 1 minute in some samples
repeatability	$\pm 1\%$ or less
sample volume	5,5 litres - cyclone
temperature	5 °C min to 60°C max
consistency	0 - 0.5%
pH range for operation	3 - 12 pH
conductivity range for operation	0 - 5 000 us/cm
particle size	<100um
Mains supply	115 - 230 VAC or 24 VDC Power consumption: 15 VA
test sign	CE
housing	ABS instrument housing with IP 53 rating
wetted parts	stainless steel, noeprone, HDPE
dimensions	W160x H445 x D90 mm
weight	4.5 Kg
guarantee period	1 year for instruments