The Lechintech LDT 16mp

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1901 window

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Technical Data Model LDT 16mp

380 mm			Measuring Modes	Ionic Charge (ICu), Cationic Demand (ppm)	
	4		Measuring Sensor	Lechintech Ion Charge Analyser, Model SCD 16mp	
A			Samples	Manual collection from selected points in the process,	
		Hinges		thick stock samples to be filtered through machine wire	
		(can be unhinged)	Signal Outputs	(i) 4-20 mA output Ion Charge scaled -5.00 to +5.00 ICu	
				500 Ohms maximum, resolution 12 bit (0 to 4095)	
	Lechintech			(Note: Above scale is configurable)	
				(ii) Relay output Motor Trip/Fault Alarm,	
680mm	SCD 16mp			Potential free normally open (NO) contact, 250 VAC, 2A	
	For the form of the form inserts			Contact - closed motor running, open motor trip/fault	
			Calibration	Zero and span using Cationic standard	
				4-20 mA output calibrated using external Ammeter	
				All adjustments from instrument keypad	
		Foam inserts	Motor Speed Control	Setpoint range 3.5 to 4.5 Hz	
			ICu Resolution	14 bit (13 bit + sign bit) for selected lcu range	
			Accuracy	lon Charge ± 0.1 ICu	
	145544 0 445			Cationic Demand ± 1%	
) 1 1	Sensitivity	Dependant on cell and probe wear, compensated for	
				by regular calibration within 1%	
		Aluminium case 680mm H x 380mm W x 250mm D Foam interior Front door can be unhinged Fornt door can be used as base	Response Time	2 to 5 seconds dependent on sample. Stabilisation of	
				readings can take up to 1 minute in some samples	
			Repeatability	± 1% or less	
			Ambient Temperature	0 °C minimum to 40 °C maximum	
			Sample Volume	500 ml	
Ą			Sample Temperature	5 °C minimum to 60 °C maximum	
			Humidity	90 % maximum	
		Foam tray insert Pipettes, syringes, chemical bottles,	Consistency	0.0 to 0.5 %	
	Beakers 1 litre		pH Range for Operation	3 to 12 pH	
	100 millilitre		Conductivity Range for Operation	0 to 5000 µS/cm	
		magnetic bead	Sample Particle Size	<100 µm	

Titration	Aliquot	Resolution	Sample	Demand	Maximum	Minimum		
Concentration		per Aliquot		Range				
250 ppm	2 ml	1 ppm	500 ml	very low	20	0		
2500 ppm	1 ml	5 ppm	500 ml	low	75	0		
2500 ppm	2 ml	10 ppm	500 ml	medium	300	0		
10 000 ppm	1 ml	20 ppm	500 ml	high	750	0		
		Magnetic Stirrer	Magnetic stirre	r and head for sa	mple agitation			
		Magnetic Stirrer	Magnetic stirrer and bead for sample agitation Speed range 100 rpm (min) to 1000 rpm (max)					
			Maximum stirring capacity is 1 litre					
		Equipment		2 x 1 litre beakers, 2 x 100 ml beakers, 1 x 10 ml pipette				
		Equipment	1 x 1 ml pipette, 2 x 5 ml syringes, 2 x 50 ml chemical bottles					
			1 x magnetic bead					
	Power Su	upply - SCD 16mp	110 to 220 VAC, 50 Hz, 60 Hz, 12VA					
			or 24 VDC					
			Solid earth connection essential					
	Power Su	pply - Mag Stirrer	110 or 220 VAC, 50 Hz, 60 Hz					
			(specify voltage at time of order)					
		Case/Enclosure	Rigidised Aluminium carry case with dust and moisture					
			proof seals on the lid, clip in hinges and recessed					
			lockable catches. High density foam packaging. Case not IP rated					
			SCD 16mp ABS, IP 53, Magnetic stirrer ABS, IP 51					
	SCD 16	Smp Wetted Parts	HDPE, POM, Stainless-steel, Neoprene					
	Ov	verall Dimensions	380mmW x 680mmH x 250mmD					
		Weight	15 kg					
		Guarantee Period	1 year for instruments					

