

SPECIFICATION, ACCESSORIES AND SPARES LIST

7.1 SPECIFICATION

7.1.1 PHYSICAL

Width	670mm	(26½ ins)
Depth	520mm	(20½ ins)
Height (to monitor platform)	1130mm	(44½ ins)
(with monitor)	1500mm	(59 ins)
Weight (no reagents)	112 kg	(246½ lbs)
(typical reagents)	200 kg	(440 lbs)

7.1.2 ELECTRICAL

Power supply voltages:	100 - 240Vac (~)
Frequency	50/60 Hz
Power	950 VA (maximum): 200VA (typical)

Note: Maximum supply voltage fluctuations not to exceed $\pm 10\%$ of nominal voltage.

7.1.3 INTERFACE CONNECTIONS

Remote alarm	3A, 240Vac operation; non-powered output
LIMS	Serial RS232
Netmon	Serial RS232
Printer	Centronics Parallel

Note: External remote alarm and printer must comply with IEC950 or IEC1010-1.

Note: All cables connected to the printer, Netmon or LIMS interfaces must be shielded, and less than 3m long.

7.1.4 FUSES

Thermo part number

Mains plug fuse (where applicable)	13A, 250V	
Mains input fuses (x 2)	T10A, 250V	A78410028 (fuse spares kit)
Instrument fuses (31Vdc output from PSU)	F6A, 250V	A78410042 (internal fuse spares kit)
Instrument fuses (48Vdc output from PSU)	F12A, 250V	A78410042 (internal fuse spares kit)

Note: Fuses may only be replaced by technically competent personnel

7.1.5 SWITCH CONVENTION

I	Power on
O	Power off

7.1.6 ENVIRONMENT

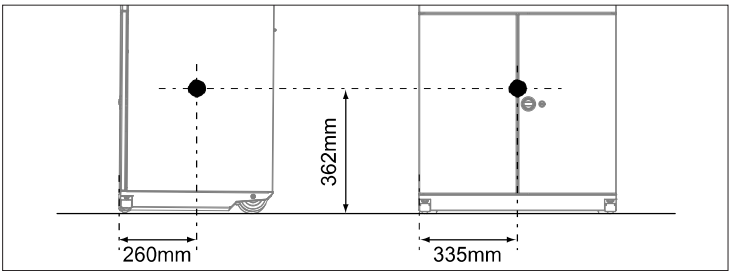
General	Indoor use only
Temperature (operation)	+5°C to +40°C
Temperature (transit/storage)	-25°C to +55°C (+70°C for short exposure)
Humidity	80% max. for temperatures < 31°C 50% max. for temperatures 31°C to 40°C (non-condensing environment)
Altitude	up to 2000m (6,500 feet)
Pollution degree	2
Over voltage category	II

7.1.7 THERMO PART NUMBERS

Shandon Excelsior	A78400001
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7.1.8 CENTRE OF GRAVITY

The centre of gravity positions for a fully laden instrument are:



7.2 ACCESSORIES

INSTRUMENT ACCESSORIES	QUANTITY	PART NUMBER
Baskets:		
Organiser Basket	6	A78410025
Random Basket	1	A78410021
Large Block Metal Divider (<i>for Random Basket</i>)	1	A78430198
Basket Lid	1	A78420056
Plastic Basket Carrying Container (<i>microwaveable</i>)	1	B1002517
Extraction Adaptor Kits:		
Downdraft Extraction Duct Adaptor Kit	1	A78410023
Main Air System Duct Adaptor Kit	1	A78410024
Filters:		
Carbon Filter	1	9990610
Potassium Permanganate Filter	1	9990612
Potassium Permanganate Filters	Pack of 6	B9990612CS