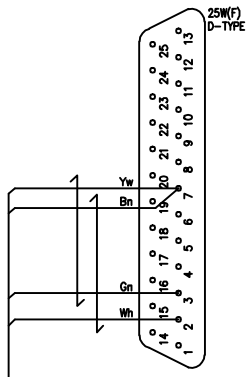
DRG No A0-204/78053 SHT 1 OF 16

DRAWING PRACTICE TO BS308 – THIRD ANGLE PROJECTION

AMI MODEL 135 LIQUID HELIUM LEVEL INSTRUMENT UNIT 1 (TOP 3)

COMMUNICATIONS

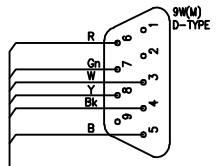


RS232 COMMS WIRING DIAGRAM
SEE DRG 204/78058 SHT 1

SPT/C17
2 TWP BELDON

DIP SWITCHES

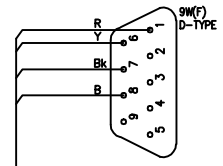
AUXILIARY



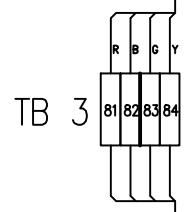
HI/LO LEVEL TRIP
TO TB5 36,37
0–10V ANALOGUE
NOT FITTED

SPT/29
6c 16/0.2 Scr

SENSOR

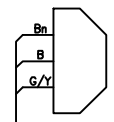


SPT/59
2 TWP BELDON



TOP SENSOR LHE 03
TURRENT CONTROL SKT H2

POWER



RACK DIST. BOARD
VIA IEC BLOCK
SEE DWG 204/78052

SPT/P04–9
3C 1.0mm² PVC

LEVEL MONITOR UNIT (TYPICAL)

SENSOR
J1

Pin	Signal
1	SENSOR I+
2	NOT USED
3	NOT USED
4	NOT USED
5	NOT USED
6	SENSOR V–
7	SENSOR I–
8	SENSOR V+
9	NOT USED

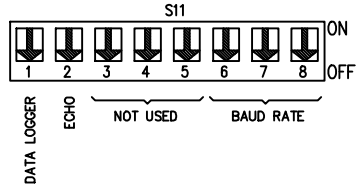
AUXILIARY
J2

Pin	Signal
1	4–20mA I I/P
2	4–20mA I O/P
3	0–10 VDC O/P
4	0–10 VDC O/P COM
5	LO LVL CONTACT
6	LO LVL CONTACT
7	HI LVL CONTACT
8	HI LVL CONTACT
9	NOT USED

RS 232
J8

Pin	Signal
1	NOT USED
2	NOT USED
3	NOT USED
4	NOT USED
5	NOT USED
6	DSR
7	GND
8	DCD
9	NOT USED
10	NOT USED
11	NOT USED
12	NOT USED
13	NOT USED
14	NOT USED
15	NOT USED
16	NOT USED
17	NOT USED
18	NOT USED
19	NOT USED
20	DTR
21	NOT USED
22	RI
23	NOT USED
24	NOT USED
25	NOT USED
	RX
	TX
	RTS
	CTS

DIL SWITCH SETTING
S11



KEY
NC – NOT CONNECTED

NOTES
1) UNUSED CORES TO BE SLEEVED OFF AND TIED BACK

REF DRAWINGS
204/78050 SPECTROMETER TEST RACK BLOCK DIAGRAM
204/78055 SPECTROMETER TEST RACK CANBUS/VME NETWORK
204/78057 PSU/COMMS/SIGNAL CONVERTER WIRING DIAGRAM
204/78059 SPECTROMETER TEST RACK CANBUS WIRING DIAGRAM
204/78052 SPECTROMETER TEST RACK POWER DIST DIAGRAM
204/78056 SPECTROMETER TEST RACK DAC/ADC WIRING DIAGRAM
204/78058 SPECTROMETER TEST RACK RS232 WIRING DIAGRAM

FIRST ISSUE
A

SCALE 0 1
ALL DIMENTIONS IN MILLIMETERS UNLESS OTHERWISE STATED

DRN DATE	PAD 15/10/11	SCIENCE AND TECHNOLOGY FACILITIES COUNCIL DARESBURY LABORATORY CHESHIRE
CKD DATE	I.M. 27/03/12	TITLE MICE COOLING CHANNEL TEST RACK EQUIPMENT WIRING DIAGRAM
CERT DATE		
APPD DATE	I.M. 27/03/12	DRG No A0-204/78053 SHT 1 OF 16 ISSUE A
		CAD PART No 204/78053-1

DRAWING LIST:– DL 204/78000

CONTRACTORS COMPANY
CONTRACTORS DRG No

ORIGINAL FRAME SIZE 1140mm X 790mm