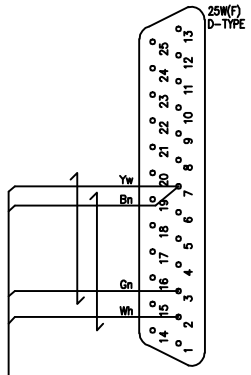
DRG No A0-204/78053 SHT 2 OF 16

DRAWING PRACTICE TO BS308 – THIRD ANGLE PROJECTION

AMI MODEL 135 LIQUID HELIUM LEVEL INSTRUMENT UNIT 2 (MID 02 & BTM 01)

COMMUNICATIONS

J8

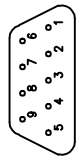


DIP SWITCHES

S11

AUXILIARY

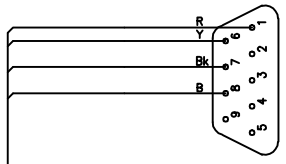
J2



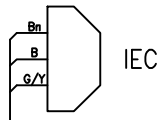
NOT USED

SENSOR

J1



POWER



RS232 COMMS WIRING DIAGRAM SPT/C18 2 TWPr BELDON
SEE DRG 204/78058 SHT 1

SPT/18 2 TWPr BELDON

RL4 6 POLE CHANGEOVER RELAY SEE DWG 204/78059_1

R1 B1 G1 Y1 R2 B2 G2 Y2 R3 B3 G3 Y3 R4 B4 G4 Y4

TB 3 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

CAN CONTROLLER 2A SEE DWG 204/78059_1

SPT/19 BTM SENSOR LHE 01 TURRENT CONTROL SKT H2

SPT/20 MID SENSOR LHE 02 TURRENT CONTROL SKT H2

RACK DIST. BOARD VIA IEC BLOCK SPT/P04-10 3C 2.5mm² PVC SEE DWG 204/78052

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

LEVEL MONITOR UNIT (TYPICAL)

SENSOR
J1

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

AUXILIARY
J2

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

RS 232
J8

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

DIL SWITCH SETTING
S11

1	2	3	4	5	6	7	8
DATA LOGGER	ECHO	NOT USED			BAUD RATE		

ON / OFF

KEY
NC – NOT CONNECTED

SCALE 0

ALL DIMENTIONS IN MILLIMETERS UNLESS OTHERWISE STATED

SCIENCE AND TECHNOLOGY FACILITIES COUNCIL
DARESBURY LABORATORY
CHESHIRE

DRN	P.A.D.	DATE 15/10/11
CKD	I.M.	DATE 27/03/12
CERT		DATE
APPD	I.M.	DATE 27/03/12

TITLE
MICE
COOLING CHANNEL TEST RACK
EQUIPMENT WIRING DIAGRAM

DRG No A0-204/78053 SHT 2 OF 16 ISSUE A

CAD PART No 204/78053-2

DRAWING LIST:– DL 204/78000

CONTRACTORS COMPANY
CONTRACTORS DRG No

A FIRST ISSUE

ORIGINAL FRAME SIZE 1140mm X 790mm