Thermometer Electrical Test Reports

Box "C" Cy1

Cryogenic Thermometer Traveller

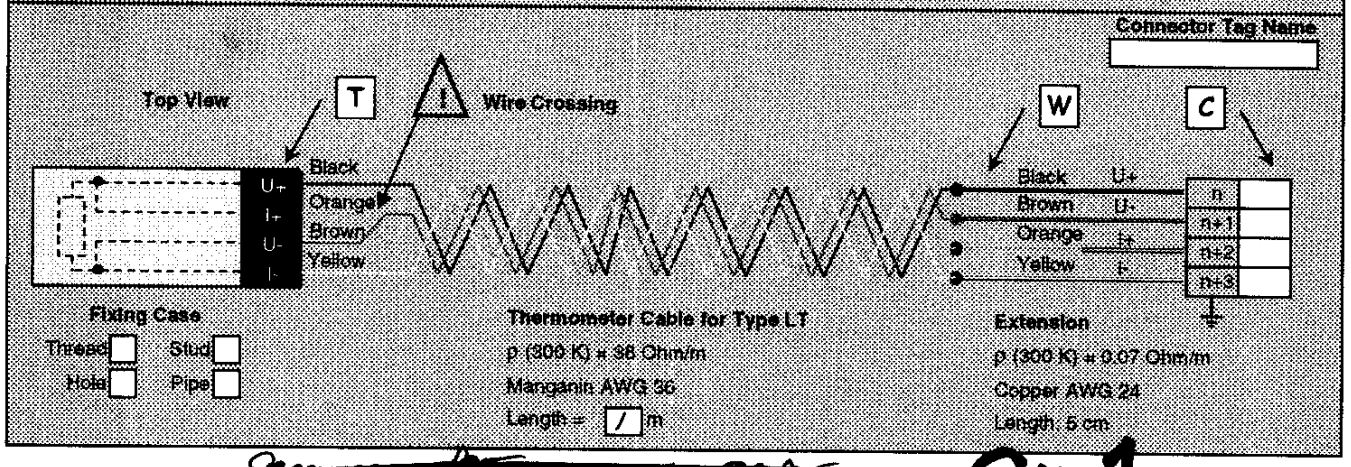
[redacted] TT812

DESCRIPTION*

Part Description:	Cryogenic thermometer	Instrument Name:	
CERN Part Identifier:	HCQITELCXT-CR015310	Top Assembly:	
Other Identification:	CX_LS_X17936	Functional Equipment Identifier:	

* In accordance with LHC-QIT-QA-0002

CABLING



[redacted] Cy1

CHECKS

Intervention	Date/ DD-MMM-YYYY	Check Point	R(I+,U+,I-,U-) [Ohm] 4W	R(U+,U-) [Ohm] 2W	R(I+,I-) [Ohm] 2W	R(U+,GND) [Ohm] 2W	Temperature [K]	Firm/Laboratory	Checked by
Calibration	12-Apr-2002	T	62.46	17.54	17.28	OVL	300	IPN	Joly
Expedition	04-Sep-2003	T	61.84	17.54	17.28	OVL	293.00	CERN	Vauthier
Reception		T W C							
CABLING	09-AUG.-04	T W C	61.58	101.05	100.22	OVL	295.6	LBNL	ANDERSON
Before Install	8-11-05	T W C		101	100	open			W.J.
After Install	8-11-05	T W C		101	100	open			W.J.
		T W C							
Before Solder	8-19-05	T W C		101.3	100.5	open			W.J.
		T W C		2+4	1+3	1+6			
After Solder	8-19-05	T W C		101.2	100.3	open			CLD
Pins 1-4		T W C							
Before "Pot" 1-4	8-22-05	T W C		101.1	100.3	open			DJC
		T W C							
After Pot 1-4		T W C							
	8-23-05	T W C		101.0	100.1	open			DJC
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							

Box "C" cy2

Cryogenic Thermometer Traveller

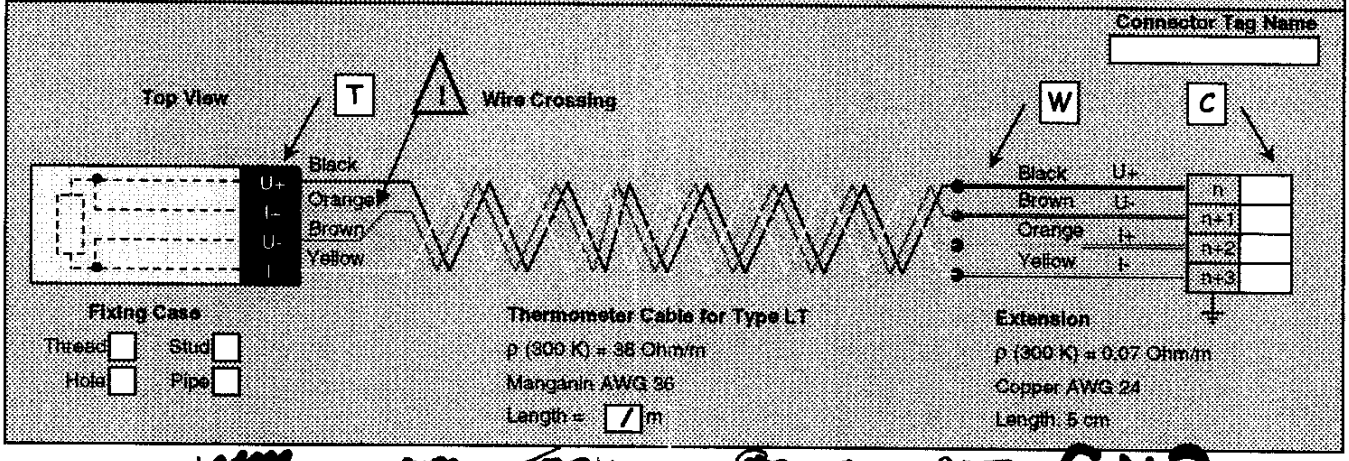
[redacted] TT813

DESCRIPTION*

Part Description:	Cryogenic thermometer	**Instrument Name:**	
CERN Part Identifier:	HCQITELCXT-CR015350	**Top Assembly:**	
Other Identification:	CX_LS_X17944	**Functional Equipment Identifier:**	

* In accordance with LHC-QIT-QA-0002

CABLING



[redacted] cy2

CHECKS

Intervention	Date DD-MMM-YYYY	Check Point	R(U+,U-,I+,I-) [Ohm] 4W	R(U-,I-) [Ohm] 2W	R(U+,I+) [Ohm] 2W	R(U+,GND) [Ohm] 2W	Temperature [K]	Firm/Laboratory	Checked by
Calibration	12-Apr-2002	T [redacted]	62.78	26.01	26.08	OVL	300	IPN	Joly
Expedition	04-Sep-2003	T [redacted]	62.22	26.01	26.08	OVL	293.00	CERN	Vauthier
Reception		T W C							
CABLING	11-AUG.-04	[redacted] C	61.87	110.37	108.74	OVL	294.2	LBNL	ANDERSON
BEFORE INSTALLING	8-11-05	T W C		110	108	OPEN			WJ.
AFTER INSTALL	8-11-05	T W C		110	108	open			WJ.
		T W C							
BEFORE SOLDER	8-19-05	T W C		110.8	109.2	OPEN			W.J.
		T W C							
AFTER SOLDER	8-19-05	T W C		~~[illegible]~~	21+23 ~~[illegible]~~ 108.9	21 OPEN			CLD
PINS 21-24		T W C		22+24 108.9					
Before Pot 21-24	8-22-05	T W C		110.4	108.8	OPEN			DJC
		T W C							
After Pot 21-24	8-23-05	T W C		110.2	108.6	OPEN			DJC
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							

In Case of problem, do not hesitate to contact Responsible person at CERN. Tel:+41 22 767 4266

~~Box "B"~~ Box "C"

Cryogenic Thermometer Traveller

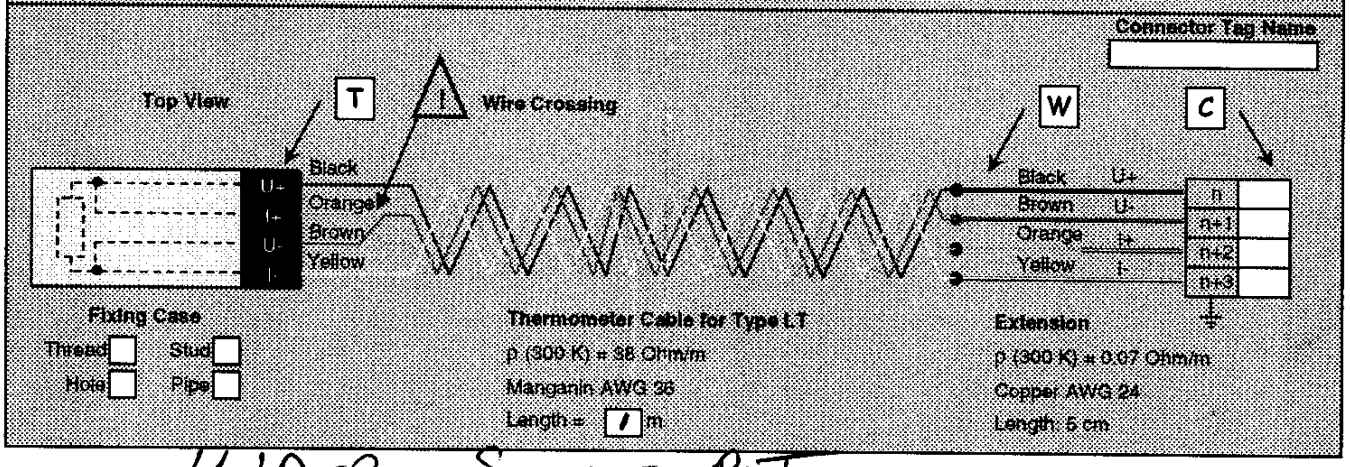
~~Surge Pot~~ ~~Box 3/8 Dbc Lower~~ TT819a

DESCRIPTION*

Part Description:	Cryogenic thermometer	Instrument Name:	
CERN Part Identifier:	HCQITELCXT-CR015130	Top Assembly:	
Other Identification:	CX_LS_X17912	Functional Equipment Identifier:	

* In accordance with LHC-QIT-QA-0002

CABLING



UNDER SURGE POT

CHECKS

Intervention	Date DD-MMM-YYYY	Check Point	R(U+,U-,I+,I-) [Ohm] 4W	R(U-,I-) [Ohm] 2W	R(U+,I+) [Ohm] 2W	R(U+,GND) [Ohm] 2W	Temperature [K]	Firm/Laboratory	Checked by
Calibration	12-Apr-2002	T	60.03	27.17	27.12	OVL	300	IPN	Joly
Expedition	04-Sep-2003	T	59.41	27.17	27.12	OVL	293.00	CERN	Vauthier
Reception		T W C							
~~EXTENSIONS~~	~~06 July 2004~~	~~T W C~~		~~111.65~~	~~110.38~~	~~OVL~~	~~293.00~~	~~LBNL~~	~~ANDERSON~~
EXTENSIONS	06 July 2004	T W C	59.31	111.91	110.65	OVL	295.2	LBNL	ANDERSON
		T W C			110.6				
Before Inst.	8-16-05	T W C		110.7	107.9	OPEN			W.J.
		T W C							
After Install	8-19-05	T W C		110.7	109.7	OPEN			W.J.
		T W C							
Before Solder	8-19-05	T W C		111.3	110.2	OPEN			W.J.
		T W C		6+8	5+7	5+6			
After Solder	8-19-05	T W C		110.8	109.9	OPEN			CLD
Pins 5-8		T W C							
Before "Pot"		T W C		110.7	109.7	OPEN			DJC
5-8	8-22-05	T W C							
After "Pot"		T W C							
5-8	8-23-05	T W C		110.4	109.4	OPEN			DJC
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							

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Box "C"

Cryogenic Thermometer Traveller

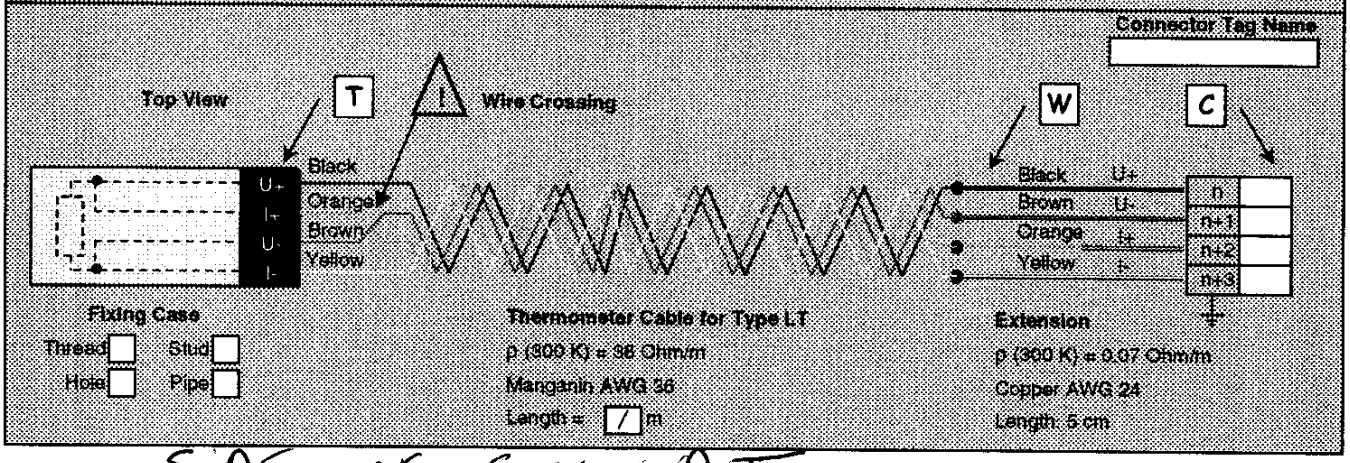
TT819b

DESCRIPTION*

Part Description:	Cryogenic thermometer	Instrument Name:	
CERN Part Identifier:	HCQITELCXT-CR015420	Top Assembly:	
Other Identification:	CX_LS_X17956	Functional Equipment Identifier:	

* In accordance with LHC-QIT-QA-0002

CABLING



SIDE OF SURGE POT

CHECKS

Intervention	Date DD-MMM-YYYY	Check Point	R(U+,U-,I+,I-) [Ohm] 4W	R(U-,I-) [Ohm] 2W	R(U+,I+) [Ohm] 2W	R(U+,GND) [Ohm] 2W	Temperature [K]	Firm/Laboratory	Checked by
Calibration	12-Apr-2002	T	62.54	19.77	19.50	OVL	300	IPN	Joly
Expedition	04-Sep-2003	T	61.97	19.77	19.50	OVL	293.00	CERN	Vauthier
Reception		T W C							
CABLING	09-AUG. 04	C	62.08	102.83	101.92	OVL	293.7	LBNL	ANDERSON
BEFORE INST.	8-11-05	T W C		103	102	OPEN			WJ.
		T W C		/					
AFTER INSTALL	8-19-05	T W C		102.8	102.0	OPEN			W.J.
		T W C							
BEFORE SOLDER	8-19-05	T W C		104.0	103.1	OPEN			W.J.
		T W C		10+12	9+11	9+9			
AFTER SOLDER PINS 9-12	8-19-05	T W C		103.6	103.6	OPEN			CeD
		T W C							
		T W C							
Before POT 9-12	8-22-05	T W C		103.6	103.0	OPEN			DJC
		T W C							
After POT 9-12	8-23-05	T W C		103.3	102.5	OPEN			DJC
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							

Box "C"

Cryogenic Thermometer Traveller

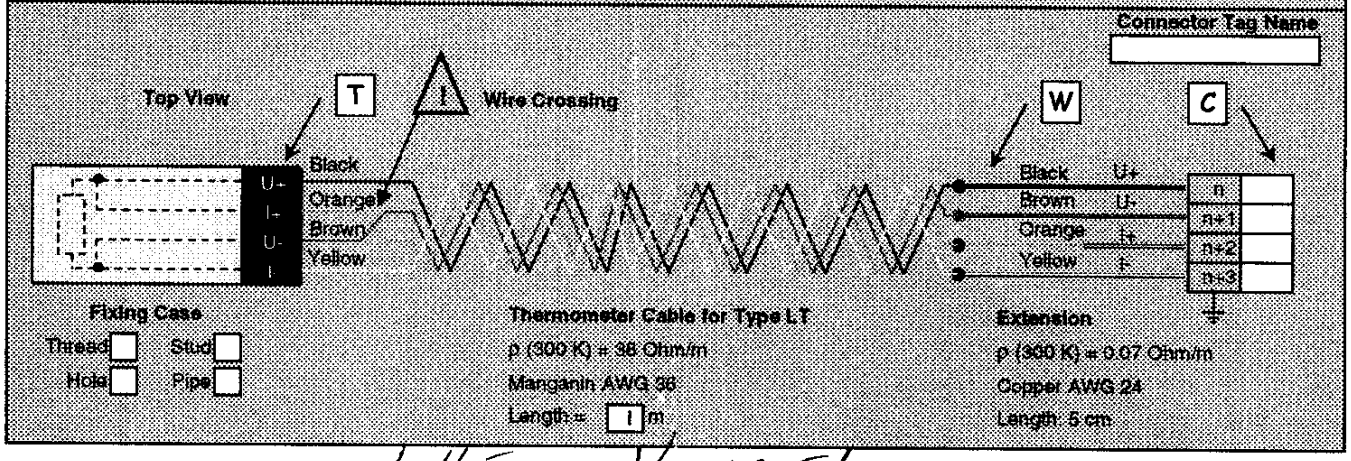
TT831

DESCRIPTION*

Part Description:	Cryogenic thermometer	**Instrument Name:**	
CERN Part Identifier:	HCQITELCXT-CR015230	**Top Assembly:**	
Other Identification:	CX_LS_X17925	**Functional Equipment Identifier:**	

* In accordance with LHC-QIT-QA-0002

CABLING



LHE VESSEL

CHECKS

Intervention	Date/ DD-MMM-YYYY	Check Point			R(U+,U-,I+,I-) [Ohm] 4W	R(U+,I-) [Ohm] 2W	R(U+,I+) [Ohm] 2W	R(U+,GND) [Ohm] 2W	Temperature [K]	Firm/Laboratory	Checked by
Calibration	*12-Apr-2002*	T			*61.48*	*25.40*	*25.32*	*OVL*	*300*	*IPN*	*Joly*
Expedition	*04-Sep-2003*	T			*60.87*	*25.40*	*25.32*	*OVL*	*293.00*	*CERN*	*Vauthier*
Reception		T	W	C					~~292.0~~		~~ANDERSON~~
		T	W	C							
~~EXTENSIONS~~	~~02-July 2004~~	~~T~~	~~W~~	~~C~~	~~89.54~~	~~109.23~~	~~109.23~~	~~OVL~~	~~292.0~~	~~LBNL~~	~~ANDERSON~~
EXTENSIONS	06-July 2004	T	W	C	60.80	109.36	108.16	OVL	295.2	LBNL	ANDERSON
Installation	06-Aug-2004	T	W	C		109.16	108.3	open			KS
		T	W	C		96.6	327				
BEFORE STYCAST	18-Aug-2004	T	W	C		101.6	100.3	OPEN			Cindy
		T	W	C							
BEFORE INST.	8-16-05	T	W	C		108.1	107.1	OPEN			W.J.
		T	W	C							
AFTER INSTALL	8-19-05	T	W	C		109	107	OPEN			W.J.
		T	W	C							
BEFORE SOLDER	8-19-05	T	W	C		108.6	107.4	OPEN			W.J.
		T	W	C		14+16	13+15	13+G			
AFTER SOLDER	8-19-05	T	W	C		108.5	107.2	OPEN			CWD
DIODS 13-16		T	W	C							
BEFORE POT		T	W	C		108.3	107.0	OPEN			DJC
13-16	8-22-05	T	W	C							
After "POT"		T	W	C							
13-16	8-23-05	T	W	C		108.1	106.9	OPEN			DJC
		T	W	C							
		T	W	C							
		T	W	C							

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Box "C"

Cryogenic Thermometer Traveller

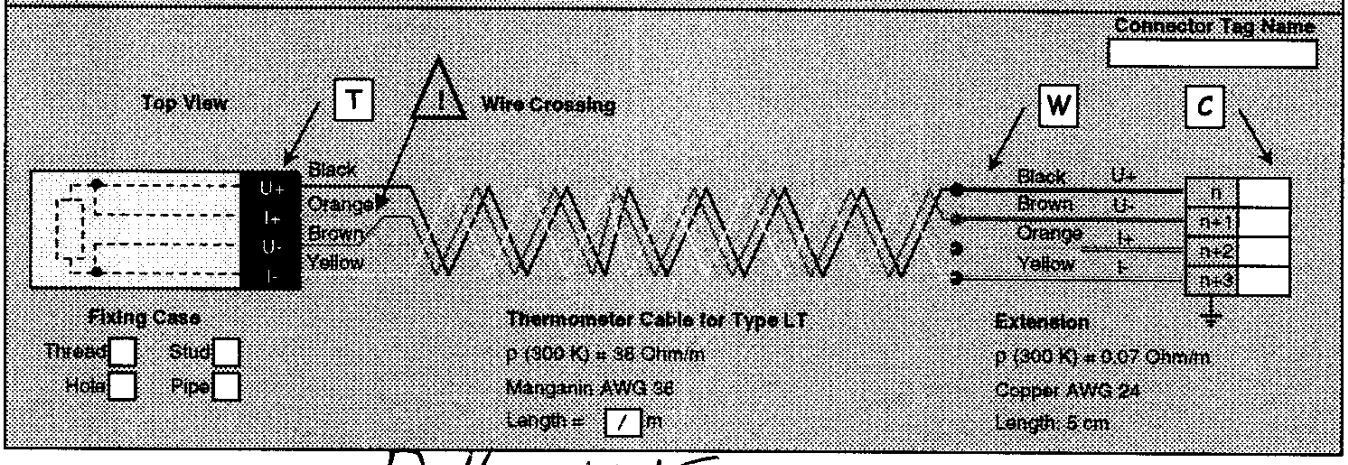
TT890

DESCRIPTION*

Part Description:	Cryogenic thermometer	Instrument Name:	
CERN Part Identifier:	HCQITELCXT-CR015320	Top Assembly:	
Other Identification:	CX_LS_X17938	Functional Equipment Identifier:	

* In accordance with LHC-QIT-QA-0002

CABLING



DH LINE

CHECKS

Intervention	Date DD-MMM-YYYY	Check Point	R(U+,U-,I+,I-) [Ohm] 4W	R(U+,I+) [Ohm] 2W	R(U-,I-) [Ohm] 2W	R(U+,GND) [Ohm] 2W	Temperature [K]	Firm/Laboratory	Checked by
Calibration	12-Apr-2002	T	64.57	24.42	24.13	OVL	300	IPN	Joly
Expedition	04-Sep-2003	T	64.01	24.42	24.13	OVL	293.00	CERN	Vauthier
Reception		T W C							
CABLING	11-AUG-04	C	64.11	107.83	107.02	OVL	293.3	LBNL	ANDERSON
		T W C							
Before Install	8-16-05	T W C		108.2	107.4	open			W.J.
		T W C							
After Install	8-19-05	T W C		108.2	107.3	open			W.J.
		T W C							
Before Solder	8-19-05	T W C		108.6	107.9	open			W.J.
		T W C		18+20	19+19	17+G			
After Solder	8-19-05	T W C		108.1	107.4	OPEN			CLO
Pins 17-20		T W C							
		T W C							
Before Pot	8-22-05	T W C		108.1	107.4	OPEN			DJC
17-20		T W C							
After Pot		T W C							
17-20	8-23-05	T W C		107.9	107.1	OPEN			DJC
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							
		T W C							

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