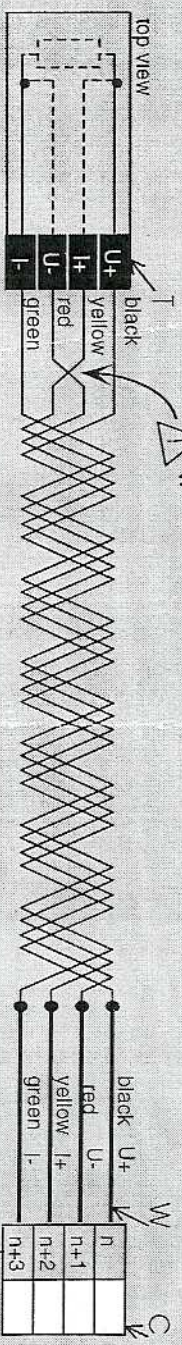


Thermometer Serial Number
CX LS X09322

Connector Tag Name



Fixing Case:

Thread
 Hole
 Stud

Thermometer Cable for Type ST

p (300 K) = 0.32 Ohm/m
 Copper AWG 30
 Length = 13 m

Extension

p (300 K) = 0.07 Ohm/m
 Copper AWG 24
 Length: 0.8 m

Checks

Intervention	Date/ Day-Month-Year	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	Firm/Laboratory	Checked by
Calibration	29-Nov-1999	T	84.89	X	X	OKL	Ambient	CERN	Vauthier
Reception	15-Dec-2000	T	84.49	0.2	0.2	OKL	19 Deg C	CERN	Grivat
Montage Fil	15-Dec-2000	W	84.49	8.6	8.5	OKL	19 Deg C	CERN	Grivat
	28/03/02	TWC	83.97	DK	DK	OK	15°C	ASG	Rowese
	25/03/03	TWC	85.30	7.48	7.47	OK			
		TWC							
		TWC							

CERN

Short Thermometer (ST) Traveller

Thermometer Serial Number: **CX LS X09322**

Thermometer Part ID: **HQATESCXT-EC11971**

Dipol Part ID: _____

HERMOMETER TT821 VERIFICATIONS

MA024916
2/2

Magnet N°: 2008
Thermometer N°: CX-LS-X09322

1 2 3 4

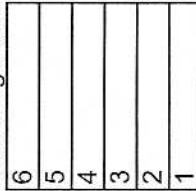
Thermometer situation	Date	Cold mass Temperature °C	Resistance V+, V-, I+, I- Ω	Resistance V-, I- Ω	Resistance V+, I+ Ω	Resistance V+, V-, I+, I-/GND MΩ	Checked by	Remark
Expected value		10 < T < 32	Ref. Value (1) +/- 3Ω	Ref. Val.(1) +/- 1Ω	Ref. Val.(1) +/- 1Ω	R > 40		
Reference value given by CERN	12-12-2002	19	84,49	8,60	8,50	OK	CERN	
At delivery	21-11-02	20	85,60	8,40	8,36	OK	PAVESE	
After mounting on the half-yoke	29-11-02	20	85,71	8,42	8,34	OK	PAVESE	
After turning over of the half-yoke	2-12-2002	15	85,79	8,30	8,34	OK	PAVESE	
After pressing of the yoke	3-12-2002	15	85,82	8,29	8,32	OK	PAVESE	
After longitudinal welding	11-12-2002	12	85,88	8,25	8,28	OK	PAVESE	
After finishing of instrum. wiring	13-01-03	9	87,15	8,12	8,15	OK	RUSO	
After welding of end covers	04-03-03	16	85,70	8,14	8,09	OK	RUSO	
After mounting of capillary (IFS)	17-03-03	15	85,50	7,39	7,35	OK	PAVESE	
After pressure test	21-03-03	15	85,30	7,48	7,47	OK	PAVESE	

Ω4W meth. Ω2W meth. Ω2W meth. Ω2W method

(1) The reference values are those written in the last row of the Thermometer Traveller supplied by CERN with the thermometer itself.
For information the temperature sensitivity at ambient temperature is approximately -0.25 Ω / °C

Resistance measurements are performed with Keithley 2000 or Hewlett Packard 34401A multimeter.

6 contacts Wago connector Multimeter



1 - green Input LO
2 - yellow Input HI
3 - red Sense LO
4 - black Sense HI

Scheme for 4 wires resistance measurement method Ω4 function

