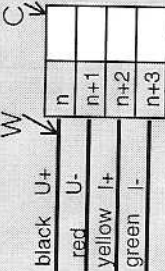
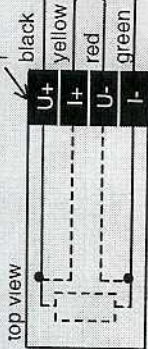


Cabling

Thermometer Serial Number
CX_LS_X09268

Connector Tag Name

Wire Crossing



Fixing Case:

- Thread
Hole
Stud

Thermometer Cable for Type ST

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

Extension

ρ (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	58.03	X	X	OVL	Ambient	CERN	Vauthier
Reception	15-Dec-2000	T	57.70	0,2	0,2	OVL	19 Deg C	CERN	Grivat
Montage Fil	15-Dec-2000	W	57.70	7.9	7.9	OVL	19 Deg C	CERN	Grivat
		T							
		T							
		T							
		T							



Short Thermometer (ST) Traveller

Thermometer Serial Number
CX_LS_X09268

Thermometer Part ID
HCQITECXT-EC14241

Dipol Part ID

Magnet N°: 2012

Thermometer N°: CX-LS-05268

1 THERMOMETER TT821 VERIFICATIONS

1 2 3 4

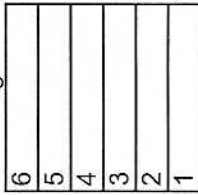
Thermometer situation	Date	Cold mass Temperature °C	Resistance V+, V-, I+, I- Ω	Resistance V+, I- Ω	Resistance V+, I+ Ω	Resistance V+, V-, I+, I-/GND MΩ	Checked by	Remark
Expected value		10 < T < 32	Ref. Value (1) +/- 3Ω	Ref. Val.(1) +/- 1Ω	Ref. Val.(1) +/- 1Ω	R > 40		
Reference value given by CERN	15-12-00	19	54,40	4,90	4,90	OVLD	CERN	
At delivery	30-09-02	18	58,10	4,76	4,74	OVLD	PAVESE	
After mounting on the half-yoke	01-10-02	17	58,02	4,82	4,80	OVLD	PAVESE	
After turning over of the half-yoke	01-10-02	17	58,00	4,81	4,82	OVLD	PAVESE	
After pressing of the yoke	09-10-02	18	54,83	4,86	4,84	OVLD	PAVESE	
After longitudinal welding	21-10-02	18	58,01	4,80	4,79	OVLD	PAVESE	
After finishing of instrum. wiring	16-01-03	16	58,56	4,70	4,74	OVLD	PAVESE	
After complete electrical test	17-01-03	15	58,50	4,68	4,73	OVLD	RUSSO	
After welding of end covers	18-01-03	14	58,50	4,65	4,70	OVLD	RUSSO	
After mounting of capillary (IFS)	28-03-03	15	58,12	6,82	6,80	OVLD	PAVESE	
After pressure test	02-04-03	20	57,64	6,95	6,91	OVLD	PAVESE	
After complete electrical test	02-04-03	20	57,63	6,92	6,91	OVLD	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



Scheme for 4 wires resistance measurement method Ω4 function

