



TECHNICAL SPECIFICATION FOR
OIL TEMPERATURE INDICATOR

SPECIFICATION NO : EPD-TS-JHS-507-E003, REV. 01

VOLUME NO. : I-B

SECTION : C

REV NO. : 01 DATE: 09/04/2014

SHEET : 1 OF 1

1.0.0 Technical specifications of OTI:

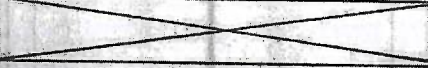
OIL TEMPERATURE INDICATOR (OTI) should be supplied as per drawings no. TR25106 T (page 1 to 4).

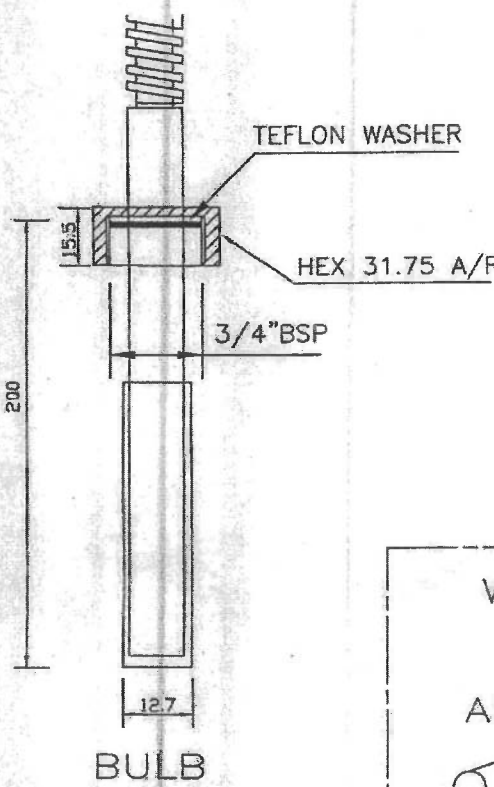
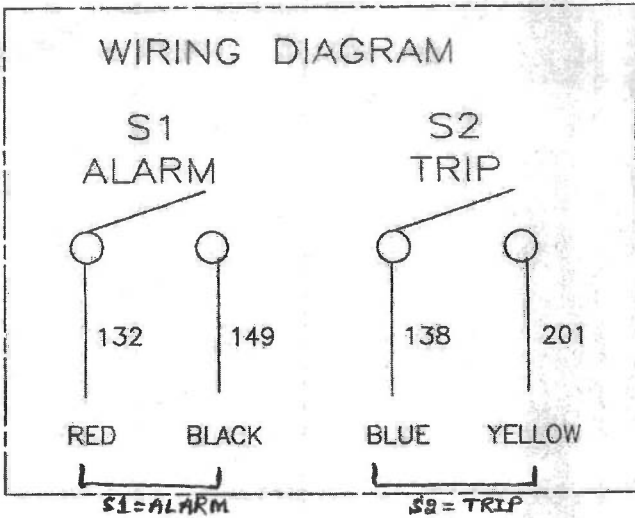
SL. No	Item Description	Quantity
1	OIL TEMPERATURE INDICATOR as per Drawings no. TR25106 T (page 1 to 4)	500 nos.

Packing:

The OTI should be supplied with necessary packing with airbuble sheet / thermocol / paper surrounding the housing so as to take care of the glass of OTI.

REF.	DRG.NO.ESP - DTI-SPEC.	 उत्पाद मानक परिणामित्र आ.का.निर्देश	PRODUCTION STANDARD TRANSFORMER D.D. INSTRUCTION		TR 25106 T	
					1 पृष्ठों में 4	PAGE 1 OF 4
REF.		शीर्षक OIL TEMPERATURE INDICATOR TITLE SPECIFICATION ST. 627708				
COPYRIGHT AND CONFIDENTIAL Information on this documents is the property of BHARAT HEAVY ELECTRICALS LIMITED It must not be used directly or indirectly in any way detrimental to the interest of the company.		1. STYLE NO.	:- ST. 627708			
		2. MODLE NO.	:-			
		3. MAKE	:- PERFECT CONTROL/ PRECI MAKE			
		4. TYPE	:- LIQUID IN METAL EXPANSION TYPE WITH BELLOW UNIT FULLY COMPENSATED FOR AMBIENT TEMPERATURE VARIATION.			
		5. DIAL	:- CHEMICALLY ETCHED 150MM DIAL LINEAR IN SCALE & SPREAD OVER 270° C PART CIRCUIT SCALE.			
		6. SCALE RANGE	:- 0 TO 150° C WITH RED LINE AT 90° C.			
		7. ACCURACY	:- ± 1.5% OF FSD FOR DIAL INDICATION			
		8. CAPELLARY	:- AMBIENT TEMPERATURE COMPENSATED METAL CAPELLARY PROTECTED WITH FLEXIBLE STAINLESS STEEL ARMOURING. ENDS OF CAPELLARY AT THE ENTRY OF CASE SHOULD BE PROVIDED WITH DOUBLE ARMORING.			
		9. CAPELLARY LENGTH	:- 2MTR.			
		10. CAPELLARY ENTRY	:- AT THE TOP DD CASE.			
		11. BULB	:- 200MM LG BRASS BULB AS PER SHEET 3 OF 4.			
		12. CONTROL SWITCH	:- TWO NOS. NORMALLY OPEN MICRO SWITCHES RATED 5A AT 250 VOLT AC OR 0.5A AT 220V DC. THE SWITCH SHOULD RE INDIVIDUALLY ADJUSTABLE OVER A RANGE OF 60° C TO 120° C WITH A FIXED DIFFERENTIAL OF 3° C 12° C APPROX. MIN.			
		13. SWITCH SETTING	:- THE SWITCH OF DTI SHOULD BE SET AS FOLLOWS S1- 95°C, S2- 100°C.			
		14. ELECTRICAL	:- THROUGH 1MTR LONG 4 CORE 1.5SQ MM PVC INSULATED CABLE FROM SWITCH CONTACT VIA CABLE GLAND AT 4 'O' CLOCK POSITION FOR EXTERNAL CONNECTION.			
		15. TEST	:- THE INSTRUMENTS SHOULD WITH A TEST PRESSURE OF 2KV FOR ONE MIN. BETWEEN ALL LIVE PARTS AND EARTH ALONG DIAL CALIBRATION.			
(THIS TR SUPERSED TO TR 25076 T)						
REV.02 DT 3/5/69	SL. NO. 11 DIM. WAS 220 mm. Aug. 1 82		वितरण DISTRIBUTION TRE/TRM/FBM TCX(TR)/ TTG/QC/QR TSD/JHANSI	स. स्वीकृत किया APPROVED  PREPARED तैयार किया S.SHARMA	ISSUED DATE TRE/STD 05.04.08	TR25106T PAGE 1 OF 4

REF.	DRG.NO.ESP - DTI-SPEC.	 उत्पाद मानक परिणामित्र आ.का.निर्देश	PRODUCTION STANDARD TRANSFORMER		TR 25106 T		
			D.O. INSTRUCTION		2 पृष्ठों में 4	PAGE 2 OF 4	
REF.		शीर्षक OIL TEMPERATURE INDICATOR TITLE SPECIFICATION					
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		17. MOUNTING	- PROJECTION MOUNTING ON VERTICAL PANEL				
		18. APPLICATION	- OUT DOOR INSTRUMENT SHOULD THEREFORE BE SUITABLE TO WITH STAND INDUSTRIAL PROTECTION CLASS <u>IP 55</u> .				
		19. ACCESSORIES	1) AIR VENT.		1 NO.		
			2) SWITCH TESTING KNOB		1 NO.		
			3) MAXIMUM READING POINTER		1 NO.		
		20. LABEL	- OIL TEMPERATURE INDICATOR				
		21. WIRING DIAGRAM	- WIRING DIAGRAM FOR IDENTIFICATION OF SWITCHES SHOULD BE PROVIDED INSIDE THE INSTRUMENT.				
		22. MISC.	- TEST CERTIFICATE IN TRIPLICATE AND OPERATION MAINTENANCE INSTRUCTION MANUAL IN DUPLICATES ARE REQUIRED WITH EACH INSTRUMENT.				
REV. 02 DT 3/5/89			वितरण DISTRIBUTION		सं. स्वीकृत किया		TR25106 T
			TRE/TRM/FBM TCX/TR)/ TTG/QC/QR TSD/JHANSI		APPROVED  PREPED. तैयार किया S.SHARMA TRE/STD		
							PAGE 2 OF 4

REF. DRG.NO:ESP- DTI-SPEC.		उत्पाद मानक परिणामित्र आ.का.निर्देश	PRODUCTION STANDARD TRANSFORMER D.O. INSTRUCTION	TR 25106 T
शीर्षक TITLE		OIL TEMPERATURE INDICATOR SENSOR (BULB)		
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		ISSUED DATE TRE/STD 05.04.08		TR25106 T PAGE 3 OF 4

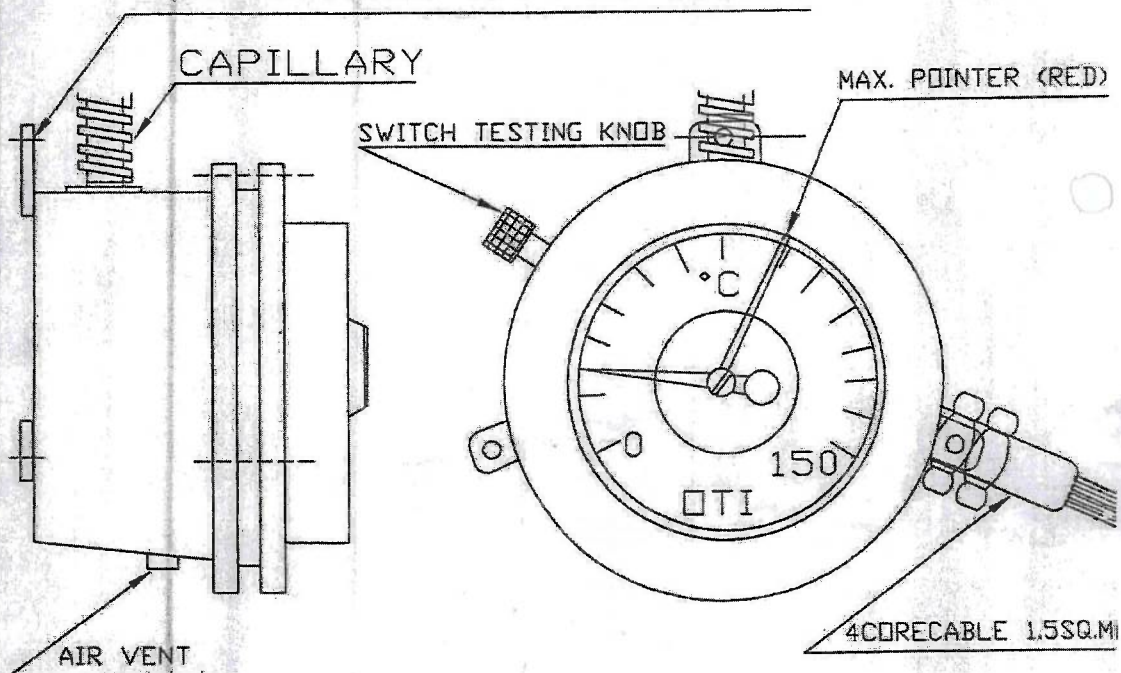
REF. DRG.NO.ESP- OTI-SPEC.	 उत्पाद मानक परिणामित्र आ.का.निर्देश	PRODUCTION STANDARD TRANSFORMER D.O. INSTRUCTION	TR 25106 T
			4 पृष्ठों में 4 PAGE 4 OF
शीर्षक TITLE		OIL TEMPERATURE INDICATOR OGA	

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REF.

REV. 02
DT 3/5/99

MOUNTING HOLES 8DIA-3 NO.
EQUIPSPACED ON PCD 168mm



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	APPROVED 	
	PREPARED. तैयार किया S. SHARMA	ISSUED TRE/STD 05.04.08