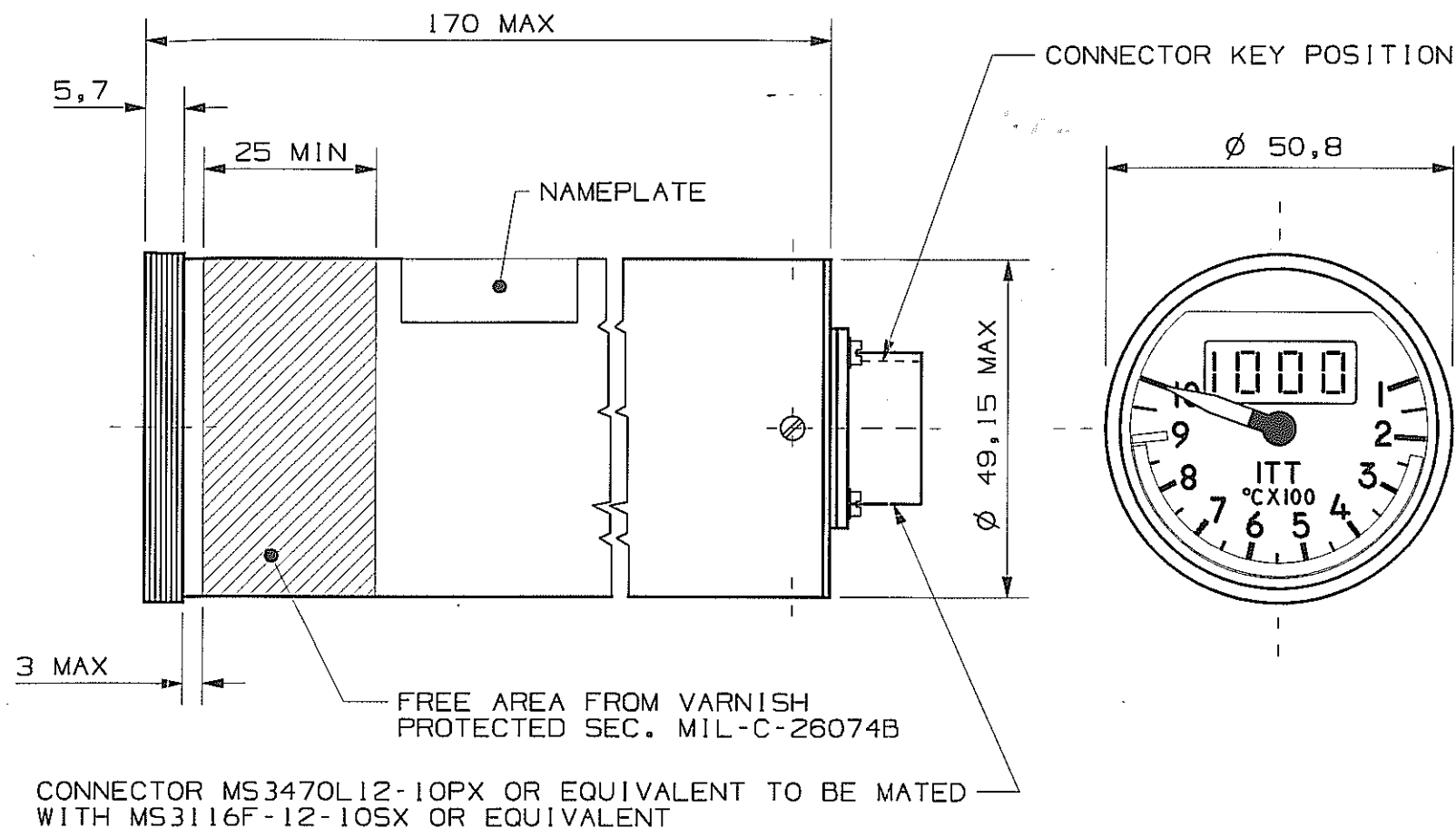


TECHNICAL REQUIREMENTS

- | | |
|-------------------------------|--|
| 1) TYPE | : SERVO OPERATING AND 4 DIGIT INCANDESCENT DISPLAY |
| 2) RANGE | : FROM 100 TO 1000°C, SCALE 210 DEGREES. |
| 3) ACCURACY (% F.S.) | : ANALOGUE: ± 1% (± 0,8 AT AMBIENT TEMPERATURE)
: DIGITAL: ± 0.5% (± 0,3% AT AMBIENT TEMPERATURE) |
| 4) INPUT IMPEDANCE | : 60 KOHMS MINIMUM. |
| 5) SIGNAL SOURCE | : THERMOCOUPLE CHROMEL-ALUMEL |
| 6) CALIBRATION | : 100°C=4.10mVdc; 200°C=8.13mVdc; 400°C=16.4mVdc;
: 600°C=24.91mVdc; 800°C=33.3mVdc; 1000°C=41.31mVdc; |
| 7) POWER SUPPLY | : 28 VDC (FROM 12 TO 32 VDC), 6W MAX. |
| 8) POSITION ERROR | : / |
| 9) FRICTION ERROR | : / |
| 10) LIGHTING | : WHITE PER MIL-L-27160; POWER SUPPLY 5VDC - 2W MAX. |
| 11) CASE | : 2" ROUND CASE PER MS33639. PAINTED, DULL BLACK
: COLOR N° 37038 PER FED-STD-595A. |
| 12) SEALING | : ENVIRONMENTAL SEALING ("O"RING). |
| 13) DIAL | : COLOR PER FED-STD-595A EXCEPT AS NOTED
: BACKGROUND: BLACK N° 37038.
: MARKING: WHITE N.37875.
: CHARACTERS: FUTURA MEDIUM TYPE
: NUMERALS: HEIGHT 3.8 mm
: ITT: HEIGHT 3.2 mm
: °CX100: HEIGHT 2,4 mm
: MARKINGS: MAJOR= 4.6 X 0.8 mm
: MINOR= 3,5 X 0.4 mm
: RED RADIAL= 5.3 X 1.3 mm
: ARCS= 2.1 WIDE
: RANGE MARKINGS:
: -GREEN ARC FROM 230 TO 885°C, COLOR NAZDAR No 5592
: -YELLOW ARC FROM 885 TO 890°C, COLOR N° 33538 FED-STD 595
: -RED RADIAL AT 890°C, COLOR NAZDAR No 5595 |
| 14) VISIBILITY ANGLE | : 20 DEGREES MINIMUM. |
| 15) POINTER | : WHITE, COLOR No 37875 PER FED-STD-595A. |
| 16) NAMEPLATE | : MINIMUM INFORMATION ARE:
: NOMENCLATURE, MANUFACTURER P/N, SERIAL NUMBER,
: MFG DATE, MANUFACTURER NAME AND CODE. |
| 17) GLASS | : ANTIREFLECTIVE PER MIL-C-14806. |
| 18) OPER. TEMP. RANGE | : FROM -30°C TO +70°C |
| 19) STORAGE TEMPERATURE | : FROM -55°C TO +85°C |
| 20) WEIGHT | : 0,50 KG MAX |
| 21) GENERAL REQUIREMENTS | : - INSULATION RESISTANCE, 20 MOHM MIN AT 250 VDC
: POWER OFF: POINTER BELOW MINIMUM MARK. |
| 22) ENVIRONMENTAL CONDITIONS: | ACCORDING TO DO 160B CATEGORIES: TEMPERATURE DI;
: TEMPERATURE VARIATION -B; HUMIDITY -A; VIBRATION -J;
: SHOCK - OPERATIONAL; MAGNETIC EFFECT -Z; POWER INPUT -Z;
: VOLTAGE SPIKE -A; AUDIO FREQUENCY CONDUCTED -Z; EMC -Z. |
| 23) DIGITAL DISPLAY | : UP-DATE TIME 1.1 SECOND FOR Σ (ERROR) >1,2 RPM, ELSEWHERE 5 SECONDS
: - SEVEN SEGMENTS CHARACTER TYPE - DIGIT HEIGHT 5.7 mm
: - COLOR: BLU-WHITE
: - BRIGHTNESS COORDINATE WITH DIAL LIGHTING VOLTAGE DISPLAY IS FULL BRIGHT AT 0 TO 1.15 ± 0.1 VDC, INCREASE FROM MINIMUM BRIGHTNESS AT 1.15 ± 0.1 VDC TO HALF BRIGHT AT 5 VDC |
| 24) MTBF | : 15000 HOURS MINIMUM |



CONNECTOR PINS

- | | |
|---|-----------------|
| A | — |
| B | — 28 VDC HI |
| C | — 28 VDC LO |
| D | — LIGHTING HI |
| E | — LIGHTING LO |
| F | — CHROMEL INPUT |
| G | — ALUMEL INPUT |
| H | — |
| J | — |
| K | — CASE GROUND |

DIMENSIONS ARE IN mm

DISEGN. RIGGIO	QUESTO DISEGNO/SPECIFICA RILASCIATO DALLA FAREM S.R.L. E' STRETTAMENTE CONFIDENZIALE, NON PUO' ESSERE RIPRODOTTO O DIVULGATO IN ALCUN MODO SENZA L'AUTORIZZAZIONE SCRITTA DELLA DITTA.				
CONTROLL. <i>Buter</i>	TOLLERANZA SULLE MISURE ± 0,1 - SUGLI ANGOLI 1/2 GRADO - SEGNI DI LAVORAZIONE $\overline{\text{ZZZ}}$ DOVE NON INDICATO DIVERSAMENTE.				
DATA 10.05.02	MATERIALE /				
SCALA 1:1	FINITURA /	2	10.05.02	5121	<i>[Signature]</i>
		1	28.08.01	5078	---
		0	29.06.01	---	---
O.TA' /	FAREM S.R.L.				
PESO /	DENOMINAZIONE TEMPERATURE INDICATOR (ITT)	N°	DATA	MODIF.	DIS. CONTR.
		DISEGNO N° 08DM15 TYP 1862			
		ORIGINE			