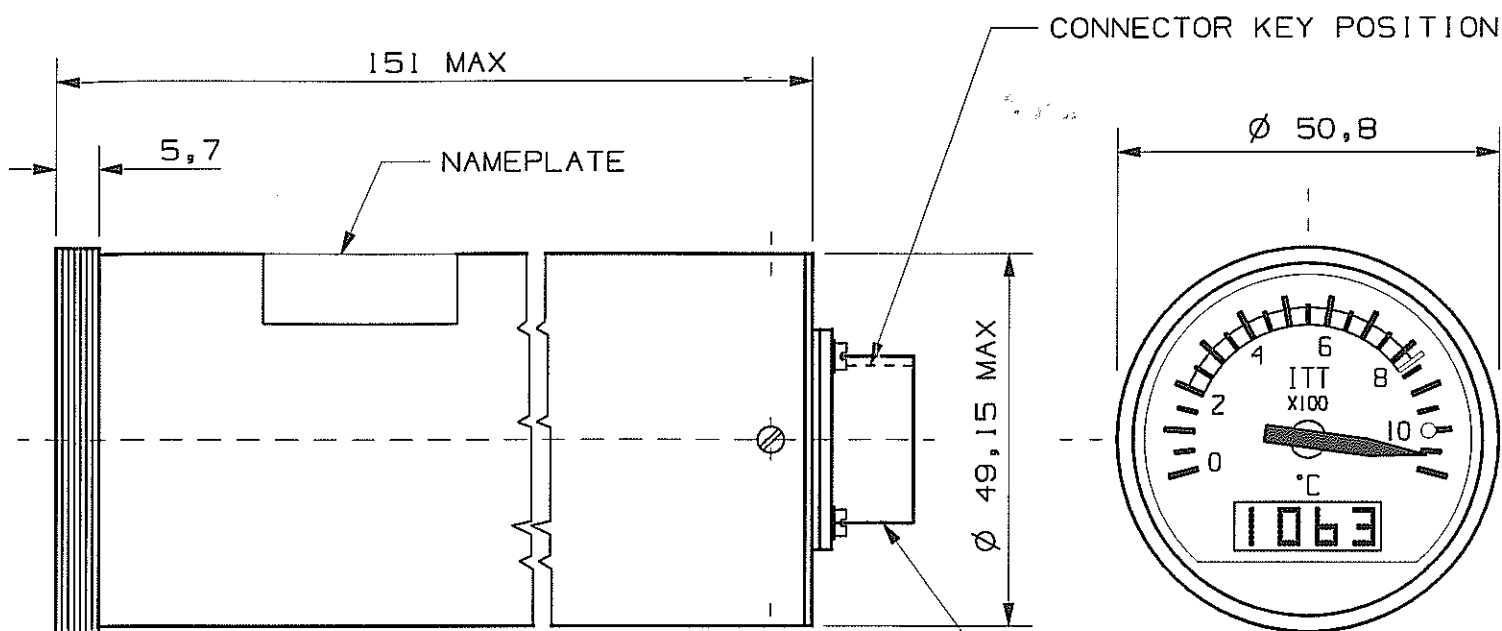


TECHNICAL REQUIREMENTS

- 1) TYPE : GALVANOMETER AND 4 DIGIT LED DISPLAY
- 2) RANGE : FROM 0 TO 1100°C, SCALE 210 DEGREES.
- 3) ACCURACY (% F.S.) : ANALOGUE: AT AMBIENT TEMP. ± 1,5% FROM 600 TO 800°C, ELSEWHERE ± 2,5%  
AT EXTREME OPERATING TEMP.: ± 2,5% FROM 600°C TO 800°C, ELSEWHERE ± 3,5%  
DIGITAL: ± 0,3% AT AMBIENT TEMPERATURE ± 0,5% AT EXTREME OPERATING TEMPERATURE
- 4) INPUT IMPEDANCE : 60 KOHMS MINIMUM.
- 5) SIGNAL SOURCE : THERMOCOUPLE CHROMEL-ALUMEL
- 6) CALIBRATION : 0°C=0mVdc; 200°C=8.13mVdc; 400°C=16.4mVdc; 600°C=24.91mVdc; 800°C=33.3mVdc; 1000°C=41.31mVdc; 1100°C=45.16mVdc.
- 7) POWER SUPPLY : 28 VDC (FROM 12 TO 32 VDC), 6W MAX.
- 8) POSITION ERROR : <2% F.S. MAX.
- 9) FRICTION ERROR : <2% F.S. MAX.
- 10) LIGHTING : WHITE PER MIL-L-27160; POWER SUPPLY 5VDC - 2W MAX.
- 11) CASE : 2" ROUND CASE PER MS33639. PAINTED, DULL GRAY COLOR N° 36118 PER FED-STD-595A.
- 12) SEALING : ENVIRONMENTAL SEALING ("O"RING).
- 13) DIAL : COLOR PER FED-STD-595A.  
BACKGROUND: BLACK N° 3703B.  
MARKING: WHITE N.37875.  
CHARACTERS: TYPE R41 MERCATOR "E"  
NUMERALS: HEIGHT 2,4 mm  
ITT: HEIGHT 2,7 mm  
°C: HEIGHT 2,6 mm  
X 100: HEIGHT 1,8 mm  
MARKINGS: MAJOR= 4 X 0,6 MM  
MINOR= 2,7 X 0,5 mm  
RED LINE= 4 X 0,6 mm  
RED DOT= DIA 2 mm  
RANGE MARKINGS:  
-GREEN ARC FROM 200 TO 830°C, COLOR N° 38901  
-RED LINE AT 830°C, COLOR N° 38905  
-RED DOT AT 1000°C, COLOR N° 38905
- 14) VISIBILITY ANGLE : 20 DEGREES MINIMUM.
- 15) POINTER : WHITE, COLOR N° 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-675.
- 18) OPER. TEMP. RANGE : FROM -35°C TO +60°C
- 20) STORAGE TEMPERATURE : FROM -55°C TO +85°C
- 21) WEIGHT : 0,4 KG MAX
- 22) GENERAL REQUIREMENTS : - REFERENCE TO PIAGGIO SPECIFICATION "PS 180-77-04 REV. 0"  
- ENVIRONMENTAL: DO 160B CAT. D1CA01IMXXXXFSBZAZZZZ
- 23) DIGITAL DISPLAY : UP-DATE TIME 1 SECOND FOR Δ >8°C, ELSEWERE 4.5 SECONDS  
DOT MATRIX CHARACTERS TYPE - DIGIT HEIGHT 4,8 mm  
BRIGHTNESS COORDINATE WITH EXT. DIMMING POT.  
COLOR YELLOW
- 24) MTBF : 5000 HOURS MIN. EXCLUDING FILAMENTS



CONNECTOR MS3470L14-18P OR EQUIVALENT TO BE MATED WITH MS3126F14-18S OR EQUIVALENT

CONNECTOR PINS

- A - +28 VDC POWER SUPPLY
- B - 28 VDC RTN POWER SUPPLY
- C - +5 VDC TO LAMPS
- D - -5 VDC TO LAMPS (GND)
- E - CASE GND
- F -
- G -
- H -
- J - DIM POT. EXCIT. OUT
- K - DIM SIGNAL IN
- L -
- M -
- N -
- P -
- R - DIGITAL DISPLAY TEST
- S -
- T - CHROMEL } THERMOC. SIGNAL
- U - ALUMEL }

DIMENSIONS ARE IN mm

|                                 |  |                            |          |                         |
|---------------------------------|--|----------------------------|----------|-------------------------|
| DISEGN.<br>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.<br><i>[Signature]</i> | TOLLERANZA SULLE MISURE ± 0,1 - SUGLI ANGOLI 1/2 GRADO - SEGNI DI LAVORAZIONE <i>[Symbol]</i> DOVE NON INDICATO DIVERSAMENTE.  |                            |          |                         |
| DATA<br>13.12.01                | MATERIALE<br>/   | 2                          | 13.12.01 | 5095 <i>[Signature]</i> |
| SCALA<br>1:1                    | FINITURA<br>/  | 1                          | 11.01.01 | 5035                    |
| O.TA'<br>/                      |  | 0                          | 15.03.00 | ---                     |
| PESO<br>/                       |  | N°                         | DATA     | MODIF. DIS. CONTR.      |
|                                 | <b>FAREM S.R.L.</b>  | DISEGNO N° 08DM13 TYP 1745 |          |                         |
|                                 | DENOMINAZIONE<br>TEMPERATURE INDICATOR (ITT)   | ORIGINE                    |          |                         |