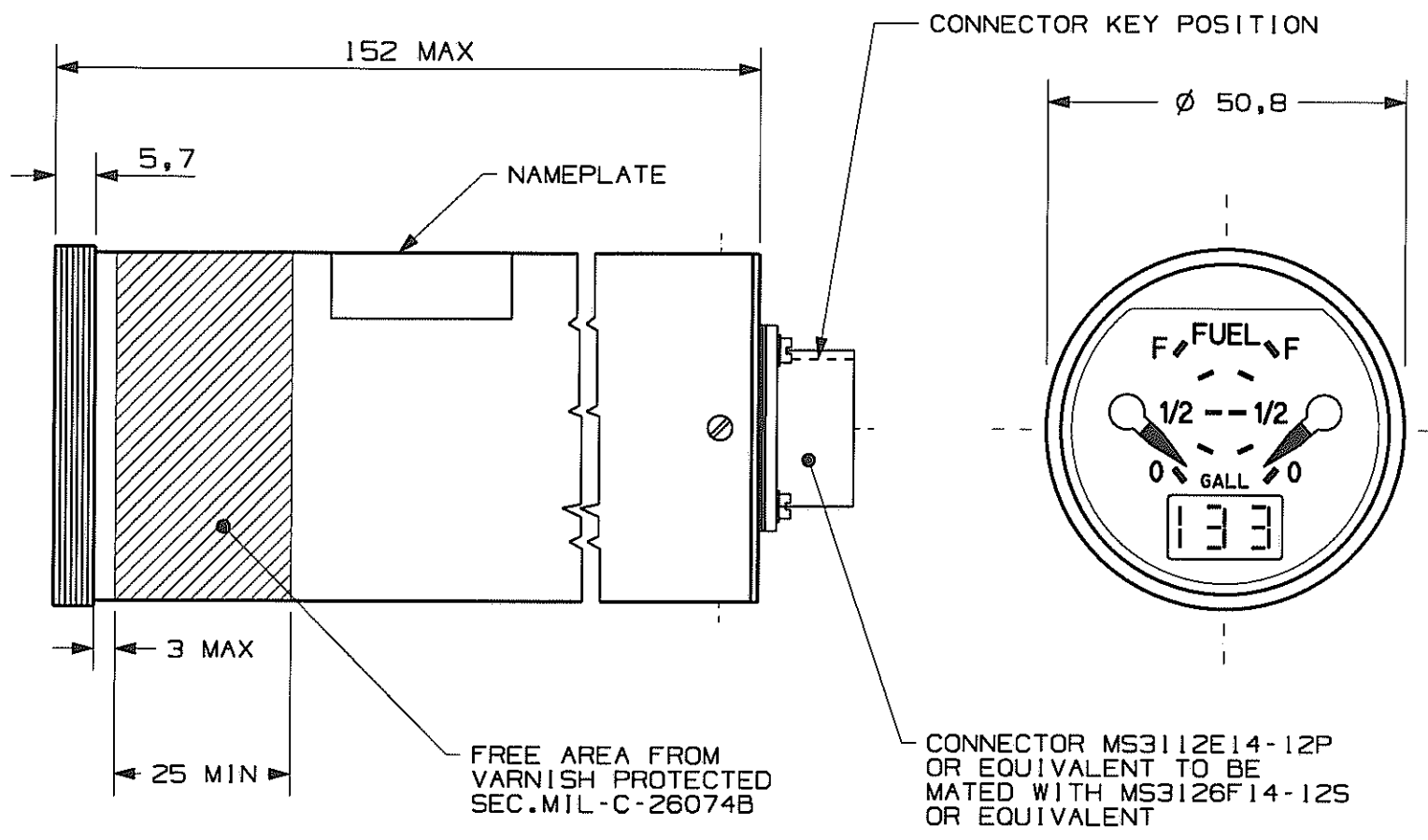


TECHNICAL REQUIREMENTS

- 1) TYPE : DUAL, GALVANOMETER AND 3 DIGIT LED DISPLAY.
- 2) RANGE : ANALOGUE: FROM 0 TO F, SCALE 100 DEGREES.
DIGITAL FROM 0 TO 135 GAL MIN (TOTAL).
- 3) ACCURACY (% F.S.) : ANALOGUE: ± 2.5% AT AMBIENT TEMPERATURE
± 4% AT EXTREME OPERATING TEMPERATURE.
DIGITAL: ± 0.8% AT AMBIENT TEMPERATURE
± 1.2% AT EXTREME OPERATING TEMPERATURE.
- 4) INPUT IMPEDANCE : N/A.
- 5) SIGNAL SOURCE : FUEL TRANSMITTER: FAREM P/N 04TE28C1910,
RESISTANCE TYPE, VARIABLE FROM 0 TO 99.4 OHM.
- 6) CALIBRATION : 0 OHM = 0; 48.3 OHM = 1/2 = 32 GAL; 99.4 OHM = F = 64 GAL.
- 7) POWER SUPPLY : 28 VDC (FROM 20 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 28VDC - 2W MAX.
- 11) CASE : 2" ROUND CASE PER MS33639. PAINTED, DULL BLACK
COLOR N° 37038 PER FED-STD-595A.
- 12) SEALING : ENVIRONMENTAL SEALING (1" O-RING).
- 13) DIAL : COLOR PER FED-STD-595A.
BACKGROUND: BLACK N° 37038.
MARKING: WHITE N° 37875.
CHARACTERS PER MS33558.
"FUEL, F, 1/2, 0": HEIGHT 3 mm.
"GALL": HEIGHT 2 mm.
RED LINE AT 0 GAL. COLOR N° 38905.
- 14) VISIBILITY ANGLE : 30 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 -20°C TO +55°C.
- 19) STORAGE TEMPERATURE : FROM -55°C TO +85°C.
- 20) WEIGHT : 0.35 KG MAX.
- 21) ENVIRONMENTAL CONDITIONS : ACCORDING TO DO-160D CATEGORIES: TEMPERATURE -A1;
TEMPERATURE VARIATION -C; HUMIDITY -A; VIBRATION -S CURVE M;
SHOCK -A; MAGNETIC EFFECT -B; POWER INPUT -Z;
VOLTAGE SPIKE -A; AUDIO FREQUENCY CONDUCTED -Z; INDUCED SIGNAL
SUSCEPT. -Z; RADIO FREQUENCY SUSCEPT. -T; EMISSION OF RADIO
FREQUENCY ENERGY -M.
- 22) DIGITAL DISPLAY : UP-DATE TIME 1 SECOND FOR Σ > 1 GAL, ELSEWHERE 4.5 SECONDS
- SEVEN SEGMENT CHARACTERS TYPE - DIGIT HEIGHT 7.6 mm, COLOR RED.
- BRIGHTNESS COORDINATE WITH DIAL LIGHTING VOLTAGE. THE DISPLAY IS
FULL BRIGHT AT 0 TO 9.5±0.6 VDC, INCREASE FROM MINIMUM BRIGHTNESS
AT 9.5±0.6 VDC TO HALF BRIGHT AT 28 VDC.
- 23) GENERAL REQUIREMENTS : INSULATION RESISTANCE: >20 MOHM @ 250VDC.
RESISTANCE MEASUREMENT: CURRENT 0.005A MAX.
POINTER OFF: POINTER BELOW 0 MARK.
DIGITAL TEST: CLOSE TO POWER RETURN, DIGITAL DISPLAY SHOWS 888.
- 24) MTBF : 5000 HOURS MIN.



CONNECTOR PINS

- A - + 28 VDC POWER SUPPLY
- B - 28 VDC POWER RETURN
- C - +28 VDC INPUT LIGHTING
- D - 28V LIGHTING RETURN
- E - FUEL SIGNAL INPUT(HI), LEFT SECT.
- F - FUEL SIGNAL INPUT(LO), COMMON
- G - FUEL SIGNAL INPUT(HI), RIGHT SECT.
- H - SPARE
- J - SPARE
- K - SPARE
- L - CASE GND
- M - DIGITAL DISPLAY TEST

DIMENSIONS ARE IN mm

DISEGN. Bernello	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.				
CONTR. <i>Bernello</i>	TOLLERANZA SULLE MISURE : 0,1 - SUGLI ANGOLI 1/2 GRADO - SEGNI DI LAVORAZIONE <i>ZZZ</i> DOVE NON INDICATO DIVERSAMENTE.				
DATA 06-12-06	MATERIALE /				
SCALA 1:1	FINITURA /	I	06-12-06	5228	Bernello <i>Bernello</i>
O.TA' /	FAREM S.R.L.	0	16-02-05	- - -	ZANABONI - - -
PESO /		DISEGNO N° 04DM05A1911			
	DENOMINAZIONE FUEL Q.TY INDICATOR	ORIGINE			