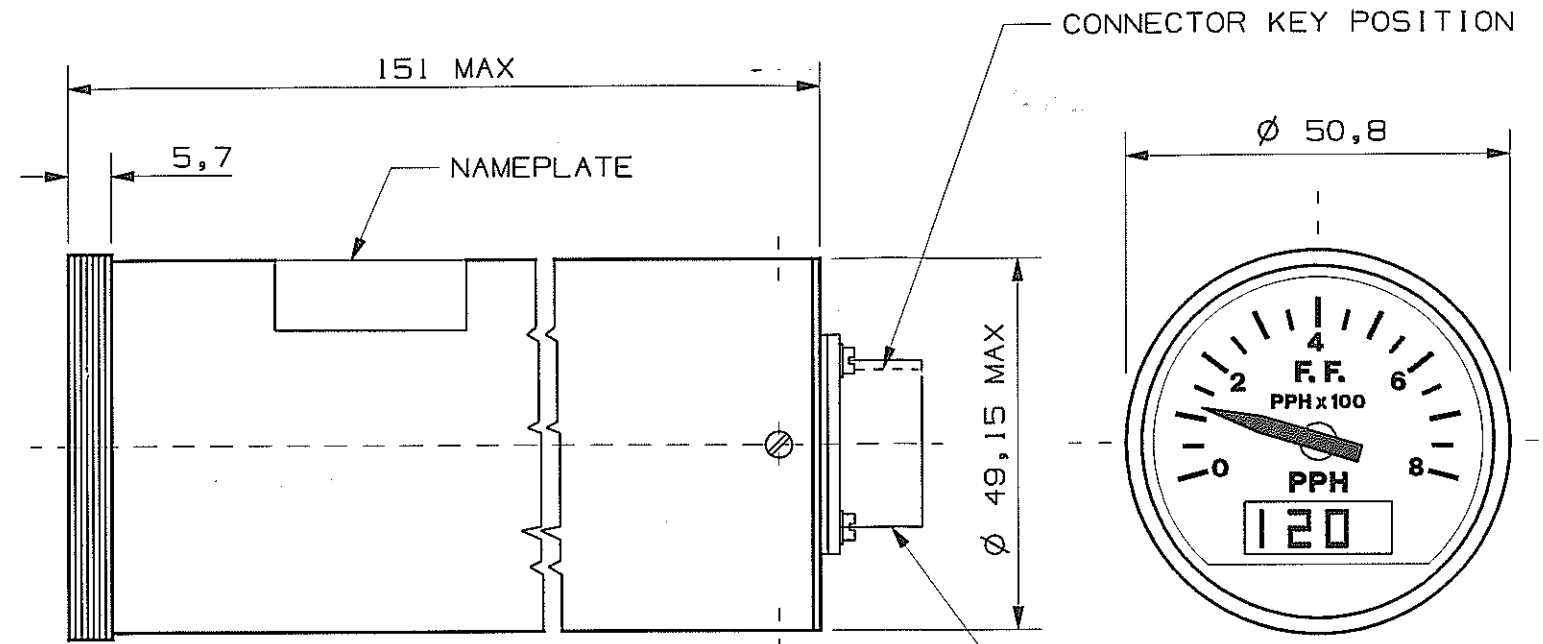


TECHNICAL REQUIREMENTS

- 1) TYPE : GALVANOMETER AND 4 DIGIT LED DISPLAY
- 2) RANGE : ANALOGUE: FROM 0 TO 800 PPH, SCALE 210 DEGREES.
DIGITAL FROM 0 TO 800 PPH
- 3) ACCURACY (% F.S.) : ANALOGUE: ± 2% AT AMBIENT TEMPERATURE
± 3% AT EXTREME OPERATING TEMPERATURE
DIGITAL: ± 0,3% AT AMBIENT TEMPERATURE
± 0,6% AT EXTREME OPERATING TEMPERATURE
- 4) INPUT IMPEDANCE : 50 KOHMS MINIMUM.
- 5) INPUT SENSITIVITY : 7 mV RMS AT FREQUENCY LESS THAN 100 Hz
- 6) CALIBRATION : LINEAR; 1530 PULSES/LB (800 PPH=340 Hz @ 25° C)
- 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.37038.
MARKING: WHITE N° 37875.
CHARACTERS: TYPE R41 MERCATOR "E"
NUMERALS: HEIGHT 2,4 mm
F.F.: HEIGHT 2,7 mm
PPH: HEIGHT 2,6 mm
PPH X 100: HEIGHT 1,8 mm
MARKINGS: MAJOR= 4 X 0,6 MM
MINOR= 2,7 X 0,5 mm
- 14) VISIBILITY ANGLE : 20 DEGREES MINIMUM.
- 15) POINTER : WHITE, COLOR N° 37875 PER FED-STD-595A.
- 16) NAMEPLATE : MINIMUM INFORMATIONS 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
- 19) STORAGE TEMPERATURE : FROM -55° C TO +85° C
- 20) WEIGHT : 0,4 KG MAX
- 21) GENERAL REQUIREMENTS : REFERENCE TO PIAGGIO SPEC. "PS 180-77-04 REV. 0" (reference only)
ENVIRONMENTAL: DO 160B CAT. DICA011MXXXFSBZAZZZ
TECHNICAL SPECIFICATION FAREM ST1876
- 22) DIGITAL DISPLAY : UP-DATE TIME 1 SECOND FOR Σ >16 PPH, ELSEWERE 4.5 SECONDS
DOT MATRIX CHARACTERS TYPE - DIGIT HEIGHT 4,8 mm
BRIGHTNESS COORDINATE WITH EXT. SIGNAL
TYPICAL CALIBRATION BRIGHTNESS VALUE: 0 Vdc = MIN; 4 Vdc = MAX
COLOR YELLOW
- 23) MTBF : 5000 HOURS MIN. EXCLUDING FILAMENTS
- 24) TEMPERATURE SENSOR : R.T.D. TYPE, CALIBRATION 1000 OHM @ 25° C, T.C.= 6 OHM/° C
- 25) FUEL REFERENCE : JET A1, DENSITY 6,70 LB/U.S.GALL @ 25° C
- 26) OUTPUT SIGNAL F.F. : - VOLTAGE 0 TO 5 Vdc (REFERRED TO 28 Vdc RETURN);
- ACCURACY ±2%
- CALIBRATION VALUE (on 182K Ohm): 0 PPH = 0 Vdc; 800 PPH = 5 Vdc;
- OUTPUT IMPEDANCE: 1250 ±20% Ohm



CONNECTOR MS3112E14-12P OR EQUIVALENT TO BE MATED WITH MS3126F14-12S OR EQUIVALENT

CONNECTOR PINS

- A - +28 VDC POWER SUPPLY
- J - +AUX OUT SIGNAL (0 to 5Vdc)
- B - 28 VDC RTN AND 5 VDC RTN LAMPS
- K - DIM SIGNAL IN
- C - +5 VDC TO LAMPS
- L - CASE GND
- D - F.F. SHIELD SIGNAL
- M - DIGITAL DISPLAY TEST
- E - F.F. SIGNAL INPUT (HI)
- F - F.F. SIGNAL INPUT (LO)
- G - TEMPERATURE SIGNAL INPUT
- H - TEMPERATURE RTN SIGNAL

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.	TOLLERANZA SULLE MISURE: ± 0,1 - SUGLI ANGOLI 1/2 GRADO - SEGNI DI LAVORAZIONE DOVE NON INDICATO DIVERSAMENTE.					
DATA	MATERIALE					
21.10.02	/					
SCALA	FINITURA					
1:1	/					
Q.TA'	FAREM S.R.L.	N°	DATA	MODIF.	DIS.	CONTR.
/		DISEGNO N° 16DM07B TYP 1876				
PESO	DENOMINAZIONE	ORIGINE				
/	FUEL FLOW INDICATOR					