

TCS ON POINT DENSITOMETER



Know your calculated load and lower your fuel costs by using TCS automatic fuel density measurement.

AUTOMATIC DENSITY MEASUREMENT SYSTEM

- » Real-time, continuous, accurate measurement of fuel density
- » Easily upgrades current volumetric fuel meters to measure in weight (mass)
- » Simple, low cost installation on existing equipment
- » Immune to vibration on fuel trucks
- » Small and rugged design
- » Sampling port available

OUTPUT

- » On screen monitoring
- » Delivery tickets
- » TCS HUB (Optional)



SPECIFICATIONS

- » Jet Fuel Range: 0.65 to 0.95 g/cc
- » Accuracy: +/- 0.0045 g/cc
- » Repeatability: 0.0015 g/cc
- » Analog 4-20mA output
- » Record: minimum, maximum and average density
- » Limit threshold shut down if density is out of tolerance

Feb 15, 2019 08:21:28 PM System Gross GAL 9578.4

Flowrate GAL/min 61.1

Gross GAL 2.7

DENSITY VALUE IS OUT OF LIMITS!

Gross 8464.011

System Net L 8391.425

NET L 682.668

JET A Mass

557.930

Volume Corrected to 15 deg C

Density kg/L 0.817 AVG.DNS kg/L 0.809
 MIN.DNS kg/L 0.791 PEAK DNS kg/L 0.819

TOTAL CONTROL SYSTEMS
 2515 CHARLESTON PLACE
 FORT WAYNE, IN 46808
 (800) 348-4753

START Jan 13, 2018 06:36:23 PM
 FINISH Jan 13, 2018 06:38:23 PM
 PRODUCT Jet A w/ Additive
 TICKET NUMBER 100489
 TRUCK # 123456 - M1

TAIL # N443AW
 AIRLINE/FLIGHT # AAL 2244
 AIRCRAFT TYPE B738
 EMPLOYEE ID 1295

 SYS. GROSS TOTAL BEGIN GAL 6260.3
 SYS. GROSS TOTALIZER GAL 6516.3

GROSS Delivered GAL 256.0

 NET Delivered GAL 256.4

 Volume Corrected to 60F
 Average Temperature F 63.4

*** NOT FOR RESALE ***

CALCULATED MASS LB 1757.366
 WEIGHT LB/GAL 6.854
 PEAK DNS LB/GAL 6.866
 ADDITIVE mL 1153.9
 ADDITIVE PPM 1001
 PEAK CORR. DIFF. PRESSURE PSI 6.4
 AVERAGE CORR.DIFF P PSI 6.4
 PEAK FLOWRATE GAL/min 191.7
 AVERAGE FLOWRATE GAL/min 132.4
 PEAK H2O ppm 7.3
 AVERAGE H2O ppm 5.2

 INVENTORY
 JET-A 2202

SIGNATURE: _____

THANK YOU FOR FLYING FWA!
WWW.TCSMETERS.COM

The TCS 3000 Electronic Register automatically measures density preventing deliveries and misfuels when density is outside scaleable limits.



The Standard of Measurement
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 TCS DENSITY.007