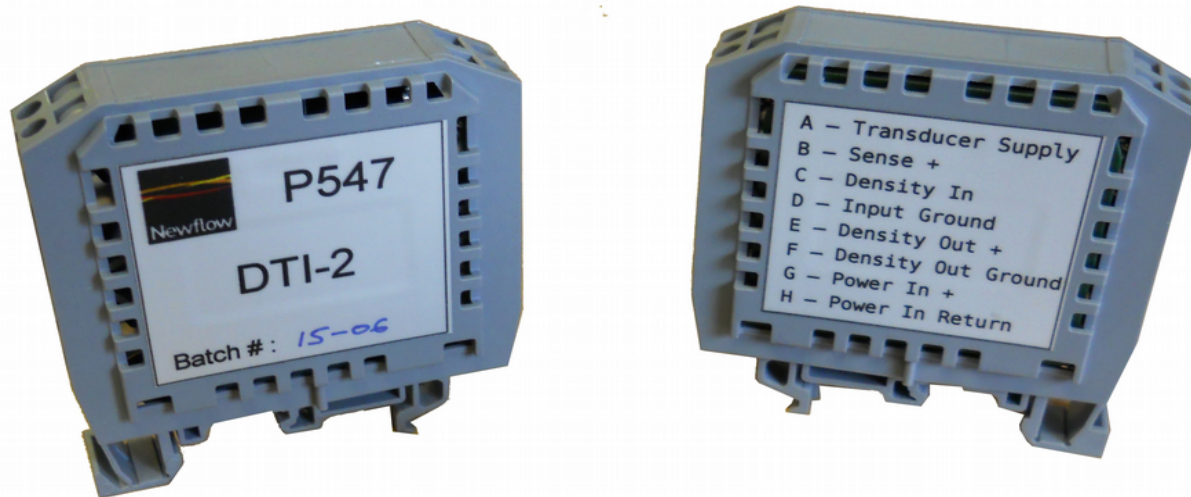


P547 - Density Transducer I/F 2



FEATURES

- ▶ Allows current modulating devices to drive opto-isolated inputs
- ▶ Output will drive up to 10 Flow Computers from one density meter
- ▶ Works with or without barriers
- ▶ Compact Rail Mounting housing

DENSITY METER WITH BARRIER - WIRING DIAGRAM

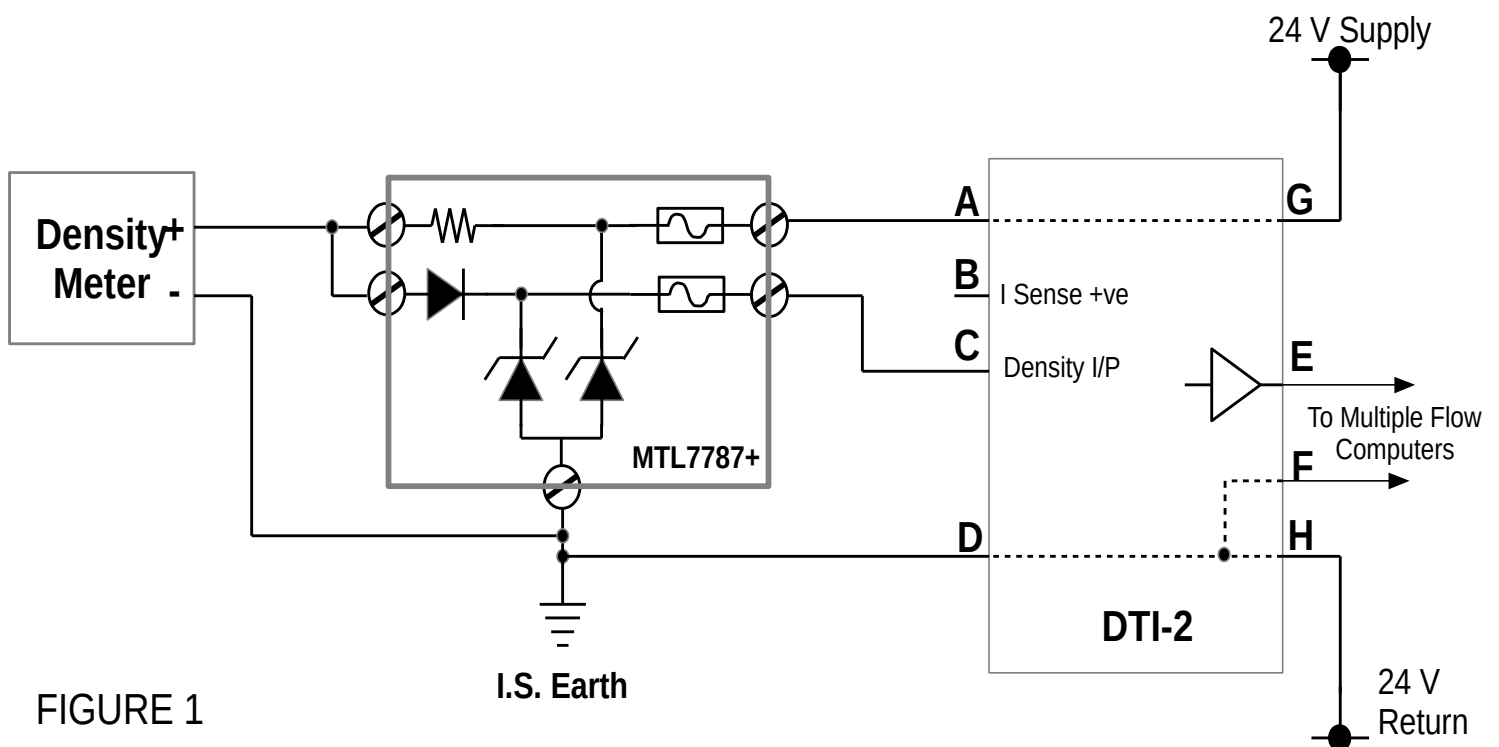


FIGURE 1

TECHNICAL DATA SHEET

WIRING DIAGRAM FOR PULL-UP & PULL-DOWN PROVER SWITCHES

Pin	Name	Old DTI
A	Transducer Supply Output	SKT1 - 2
B	Sense +ve	SKT1 - 1
C	Density Input	SKT1 - 4
D	Input Ground	SKT1 - 3
E	Density Output +ve	SKT2 - 1
F	Density Output Ground	SKT2 - 3
G	DC Power Input +ve	SKT2 - 2
H	DC Power Return	SKT2 - 3

P547 DTI-2 SPECIFICATION

Supply Voltage	15V to 33V DC input
Supply Current (No Load)	5mA at 24V typical
Input Sensitivity Voltage mode	400mV p-p at 1KHz
Input Sensitivity Current mode	12mA Min Current Change, 200mA Maximum Loop Current
H.F. 3dB Point	3.3KHz typical
Output Drive Current	25mA with 24V supply
Dimensions	2 1/2" (64mm) wide by 2 1/2" (64mm) tall
Mounting	Needs 23/32" (18.3mm) length of top-hat DIN Rail to EN50022
Weight	2 oz (48 gms)

P547 - CURRENT MODULATION TO VOLTAGE PULSES, WITHOUT BARRIER

Link A to B and connect transducer between C & D as shown below.

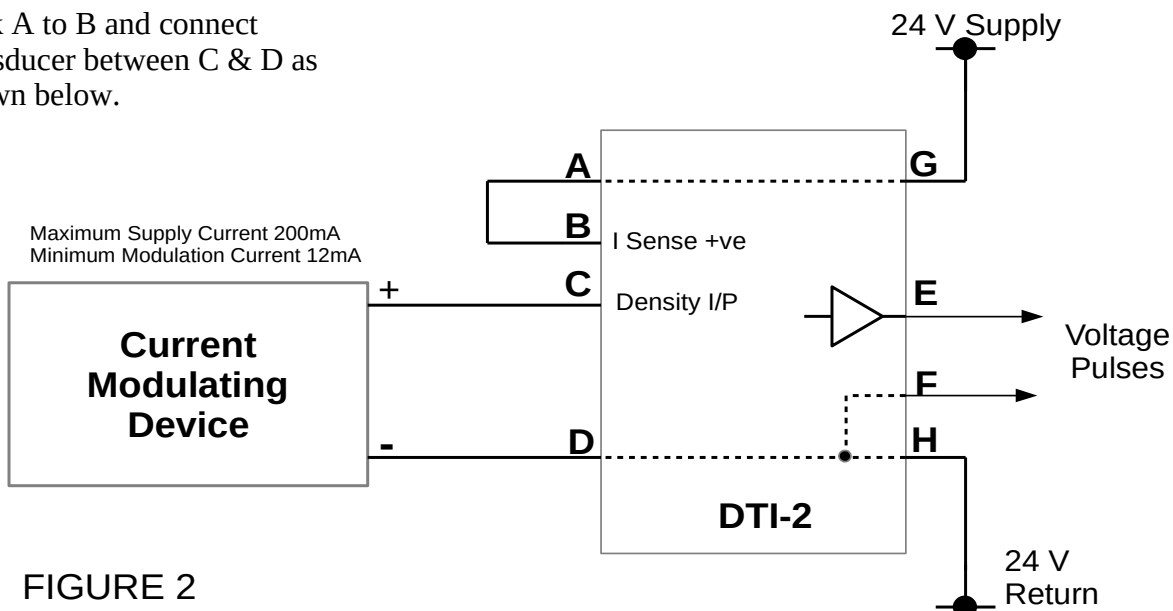


FIGURE 2

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