

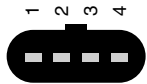
# Quick Reference

## TSI Model 4230/4235 OEM Mass Flowmeter

*High performance in an  
inexpensive OEM configuration*



Flowmeter  
Connector  
(Top View)



Pin#	Cable Wire Color	Analog 4-20 mA	Digital RS485
1	red	power	power
2	green	signal	A
3	white	not used	B
4	black	signal & power ground	ground

An interface cable can be purchased from TSI (part number 1303775). This is a 10 foot long, 22 gauge, four wire, unshielded cable with sealed connector (Delphi GT 150 Series 4 Pin on one end).

**TSI**

**TSI Incorporated**

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**TSI**

TSI Models	4230-01-01	4235-01-01
Gas	Air	
Flow Range (Standard L /min)	20 to 1000	
Output (linear)	RS485	4-20 mA
Pressure Range Limit for UL recognition	up to 150 PSIG (10 bar gauge)	
Operating Temperature	-40°C to +60°C	
Supply Voltage	12 to 15 VDC (±10%), 300 mA peak, 100 mA average	
Inlet/Outlet	1.25 inch (31.8 mm) O.D. tube	
Filtration	Requires HEPA grade filtration upstream	
Wetted Parts	ABS flowbody, Stainless steel, Gold, Alumina, Sn/Pb solder, Buna-N, Polycarbonate	
Weight	240 grams without user-supplied fittings	

\*See TSI website <http://www.tsi.com> for specification sheet and applications notes.

#### 4-20 mA Versions

The current output produces a linear signal where 4 mA indicates zero flow and 20 mA indicates the maximum specified flowrate. The maximum load resistance allowed on the current output is 350 Ohms.

#### Power Supply Requirements

The flow meter draws 20 microsecond pulsed current of 250 mA on top of 50 mA steady state current. The power supply needs to be capable of supplying at least 10.0 V during current pulses. See applications note when using multiple flowmeters or switching power supplies.

