



## DC580 Airflow Meter Hot-wire & Vane Anemometer

### Features/Benefits:

- Measure air velocity and temperature simultaneously
- Field replaceable smart hot wire and vane probes
- Communicate with Android Smart Phone using Bluetooth LE and TPI App
- Record minimum, maximum & average
- Multiple measuring units: m/s, km/h, ft/min, knots, mile/h

### Applications:

- Air velocity measurements in HVAC systems
- Air duct analysis to balance commercial and residential HVAC systems
- Fume hoods
- Floor registers
- Exhaust grills

### Ranges:

#### Air Velocity

- Vane: 80 to 4900 fpm; 0.4 to 25 m/s
- Hot Wire: 40 to 3900 fpm; 0.2 to 20 m/s

#### Temperature

- -5°F to 175°F (-20°C to 80°C)

## Measure Velocity & Temperature



**DC580:** instrument only, no probes or case

**DC580C1:** DC580, hot-wire probe, carrying case

**DC580C2:** DC580, vane probe, carrying case

**DC580C3:** DC580, hot-wire probe, vane probe and carrying case

**A581:** hot-wire probe

**A582:** vane probe

**A580:** carrying case



DC580



DC580 with hot-wire probe



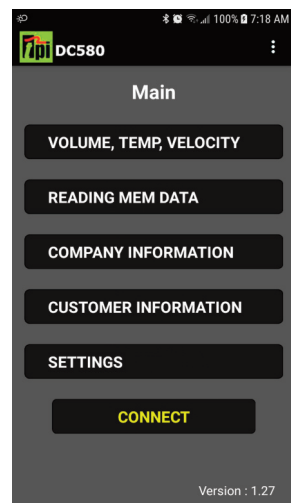
DC580 with vane probe

## Easy-to-Use Smart Phone App

### Save time with documentation.

Smart phone app allows easy documentation that you can share with your customer. Reduce paperwork and save time! See Smart Phone window examples below.

Find the TPI DC580 App at the App Store.



Function	Description	
Hotwire Air	Range	0.2 m/s ~ 20 m/s (40 fpm to 3900 fpm)
	Resolution	0.01 m/s or fpm
	Accuracy	±( 5% + 10 digit ) or ±( 1% + 10 digit ) F.S
	Unit	m/s, km/h, mph, fpm
Vane Air	Range	0.4 m/s ~ 25 m/s (80 fpm to 49010 fpm)
	Resolution	0.1 m/s or fpm
	Accuracy	±( 2% + 3digit )
Temperature	Unit	m/s, km/h, mph, fpm
	Range	-20 °C ~ 60 °C ( -4 °F ~ 140 °F )
	Resolution	0.1 °C ( 0.1 °F )
	Accuracy	± 0.5 °C ( 0 °C ~ 45 °C ) ± 1 °C ( -20 °C ~ 0°C, 45°C ~ 60°C ) ± 1 °F ( 32 °F ~ 113 °F ) ± 2 °F ( -4 °F ~ 32°F, 113°F ~ 140°F )
Others	Airflow(volume) calculate	CFM, CMM.
	REC, HOLD	MIN, MAX, AVG, Data HOLD
	Operation environment	-20 °C ~ 60 °C ( -4 °F ~ 140 °F ) at <75%RH
	Communication	Bluetooth LE ( Tpi580BT only )
	Battery	4.5V ( AA size x 3)
	Battery life time	Hot air probe: about 30h. Vane air probe: about 68h
Auto power off	15 min ( if APO is active )	

**Probe Input Jack:**  
Automatically identifies vane or hot wire probe type

**SET mode:**  
Up feature. General mode: Data Hold

**SET mode:**  
Feature setting (Enter). General mode: Transfer from Air Velocity measurement to Volume (CMM,CFM) measurement. Push it again and transfer to Air Velocity measurement.

**SET mode:**  
Left feature

**Record mode:**  
(Time record mode, Point record mode), MAX , MIN , AVG

**SET mode:**  
Down feature. General mode: Auto power On/Off enable / disable General mode: Save the air velocity and air volume between 0 ~ 299



**LCD display**

**Air Velocity unit:**  
(m/s, km/h, fpm, mph, knots) ,  
Volume unit (CMM,CFM),  
Temperature unit (°C, °F),  
Area unit (in2, cm2, m2, ft2)

**SET mode:**  
Right feature. General mode: Display the saved value between 0 ~ 299.

**Backlight On/Off:**  
(Backlight Auto off 60 Sec.)  
\*\* (Tpi580BT Only = Bluetooth Model - Bluetooth feature On/Off to push it more than 2 sec.)

**On / Off:**  
(Push it more than 2 sec.)

**Size**  
W x L x D 2.9" x 6.6" x 1.6"  
(73.5mm x 167.5mm x 41.5mm)

**Weight**  
0.8 lb (363g)

**DC580 Photo Actual Size**