DC580 Airflow Meter
Hot-wire & Vane Anemometer

Measure Velocity & Temperature

Features/Benefits:
- Measure air velocity & temperature simultaneously
- Automatically calculate CFM
- Field replaceable hot-wire probe and vane probe
- Telescoping 38" hot-wire probe with ruler markings and flat edge for easy and proper probe alignment
- Communicate with Android smartphone using built in Bluetooth and Free TPI App
- Rubber boot provides protection; magnets on the back of boot provide hands free use
- Record minimum, maximum & average
- Measuring units: m/s, km/h, ft/min, knots, mile/h

Applications:
- Air velocity measurements in HVAC systems
- Air duct traverse and ventilation analysis to balance commercial and residential HVAC systems
- Fume hoods, floor registers, exhaust grills & more

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)

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 front and back

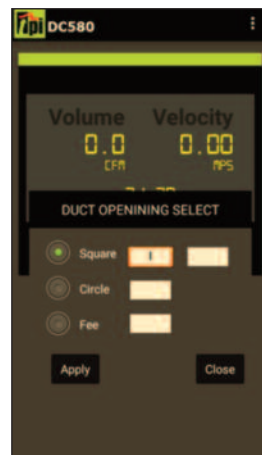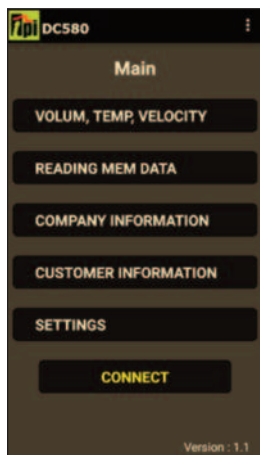**DC580C1 w/ hot-wire probe**

DC580C2 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 or Google Play.

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)
	Unit	m/s, km/h, mph, fpm
Temperature	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	Volumetric Flow	CFM, CMM
	REC, HOLD	MIN, MAX, AVG, Data HOLD
	Operating Environment	-20 °C ~ 60 °C (-4 °F ~ 140 °F) at <75%RH
	Connectivity	Bluetooth LE (Tpi580BT only)
	Battery	4.5V (AA size x 3)
	Battery Life	Hotwire probe: about 30h. Vane probe: about 68h
	Auto power off	15 min (if APO is active)

Test the TPI Advantage: Value, Performance, Service, Safety

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

LCD display

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.

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:
Left feature

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

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

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

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

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

DC580 Photo Actual Size

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)

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