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

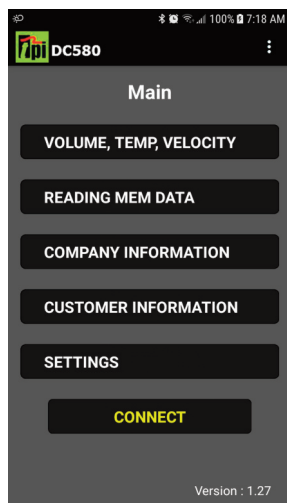

DC580   **DC580 with hot-wire probe** **DC580 with vane probe**

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)
	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	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)

Test the TPI Advantage: Value, Performance, Service, Safety   **www.tpieurope.com 01293 530196**

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