

performance test kit

for cross flow – counter flow

IDCT-NDCT

pitot tube

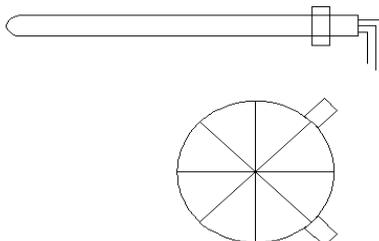
Function PCTPL manufactured Pitot tube is a pressure measurement instrument used to measure fluid flow velocity at the time of water flow testing in cooling tower. Pitot tube consists of a tube pointing directly into the fluid flow. As this tube contains fluid, a pressure can be measured; the moving fluid is brought to rest (stagnates) as there is no outlet to allow flow to continue. This pressure is the stagnation pressure of the fluid, also known as the total pressure or (particularly in aviation) the pitot pressure.

Basic Model : P-I-01-Length
Net weight: As per length

Technical Dimensions
Length: As per pipe diameter specified by client.
Diameter : 24mm, 28mm, 32mm,34mm, 43mm, 50mm
Probe : 2 probe & 3 Probe

Material Body : SS- 304
Hardware : SS-304
Lock flange : MS/SS
Internal probe : Brass/SS

Sketch



manometer

Function PCTPL designed and manufactured U-tube anemometer where the pressure is measured, although the scale is usually graduated as a velocity scale. One of the most common is the water filled u-tube manometer used to measure pressure difference through PCTPL manufactured pitot tube.

Basic Model : P-I-02-Length
Range : 1000 mm WG
Gross Weight: 2 kg
Zero adjustment scale.

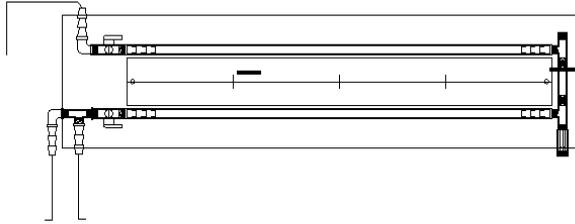
Wall mounted or stand mounted.

Technical Dimensions: 1100x130x40mm

Material

Body:	Acrylic / Aluminum frame
Tube:	Acrylic 8mm dia
NRV	Brass / plastic
Nipples	Brass / plastic
Hardware	SS

Sketch



handheld sling psychrometer

Function

PCTPL Manufactured psychrometer is an instrument commonly used to measure relative humidity. It is also referred to as a wet- and dry-bulb thermometer.

This instrument consists of two similar thermometers that are mounted side by side. The dry bulb has its bulb exposed to the air. The wet bulb is wrapped in an absorbent material such as muslin, which is immersed in water and serves as a wick. When the web bulb is taken out of the water, it cools by evaporation of the water. If the bulb is whirled around to hasten evaporation, it is called a sling psychrometer. The amount of evaporation, and consequent cooling of the thermometer, depends on the humidity of the atmosphere.

Basic

Model :	P-I-03-Length
Range :	0-50 Deg C
Accuracy:	0.1 Deg C
Least count:	0.1 or 0.2 Deg C (As per client requirement)
Gross Weight:	200-300g

Technical

Dimensions:	500x30x10 mm
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Material

Body :	Waterproof laminate wood
Thermometer :	Glass
Hardware:	SS

Sketch



stuffing box

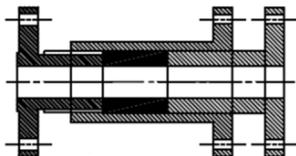
Function PCTPL design and manufactured stuffing box is an assembly which is used to house a gland seal. It is used to prevent leakage of fluid, such as water. The main function of stuffing box is to grip the Pitot tube at the time of inserting the pitot tube in pipe/valve.

Basic Model: P-I-04-Length
Gross Weight 25-30 kg

Technical Flange: As per B16.5 or as specified by client
Dimension : Length as per pitot tube

Material Body: MS With red oxide paint
Hardware: MS Galvanized with washer
Packing: Asbestos rope

Sketch



air flow anemometer

Function An **anemometer** is a device for measuring wind velocity in cooling tower fan stack outlet.

Basic Model: P-I-05-01
Gross Weight: 1.4 Kg

Technical **Range :**
Air Velocity : 0.25-15 M/Sec (Least Count : 0.01)
Air Temperature: 0-100 Deg C

Material Meter : Metallic Body
Vane Body : Plastic
Vane Sensor: Metal

Sketch



air flow data logger

Function

PCTPL designed 32 channel data logger arrangement device for measuring wind velocity in cooling tower fan stack inlet as per CTI- guideline. The data logger arrangement provide no of reading at a time to measure aureate velocity in stack.

High-end data acquisition hand-held mobile solution.

Large data storage

Rechargeable 7.2V battery with over 500 charging cycles

High sampling rate – up to 4,000 samples/second.

8 channels each capable of measuring seven popular parameters.(8*4)

Accurate Air Velocity Transmitter

The PRO Data is then the perfect choice for remote data logging and ideal for use as a mobile measuring device in any industrial environment or for field off site monitoring.

Basic

Model:	P-I-06-01
Weight:	10 Kg (Including 100meter wire)

Technical

Range :

Air Velocity :	0.25-15 M/Sec	(Least Count : 0.01)
Air Temperature:	0-100 Deg C	

Material

Meter :	Metallic Body
Vane Sensor:	Plastic

Sketch



ultrasonic flow meter

Function PCTPL Ultrasonic flow meters works on the principle of Transit time and have high precision from line size 3/4 "to 240". These are applicable to all kinds of fluids whether pure water, gasoline, hydrocarbons, HSD or any rare fluid.

1. High of velocity.
2. NIST Standard.
3. Non-intrusive, clamp-on installation, easy and fast.
4. No pipe disturbance, no pressure drop, no moving parts
5. Light weight (1.2lbs/538g for the handset). Compact design.
6. Suitable for all commonly used pipe materials and liquids.
7. Rechargeable battery for 10 hours of operation.
8. Built-in data logger.
9. Self-explanatory user interface. Very easy to operate.
10. Self-adjusting capabilities automatically match transducer to pipe material

Basic Model: P-I-07-01
Gross Weight: 0.5 Kg

Technical **Range :**
Pipe dia: 3/4 " to 240"
Accuracy: $\pm 1\%$

Sketch



testing accessories

We provide full support accessories along with above equipment's like transparent pipes, clamps, nipples, connectors, wrenches, etc. to make your test easy and comfortable.

Note : In the interest of technological advancement, all products are subject to design and/or material change without notice.

our products are known for their advanced design
and premium quality

your water, power, time and cost saving solutions



Progetto Cooling Technologies Private Limited
info@progettogroup.com | www.progettogroup.com