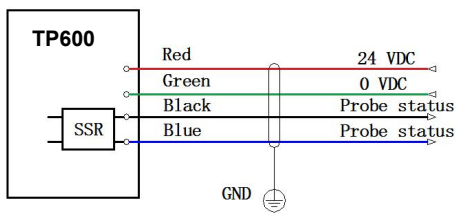
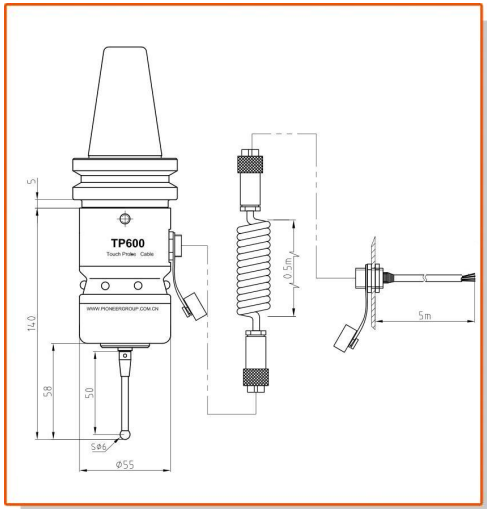


Composition of Probe

TP600 cable probe consist of three pieces:

- 1) TP600 trigger probe unit(with integrating interface);
- 2) Two four-core, oil proof shielded cable, one of them is a spiral cable with aviation plugs at both ends. The total length of the two cables is 8 meters;
- 3) Stylus(standard model: M4-P50-RB6-S36A).



Notes for purchase

- ◆ As for special stylus, check whether the standard stylus equipped with the TP600 probe can meet the requirements and whether it is necessary to order special stylus;
- ◆ As for the taper shank, Please contact our sales person to confirm what kind of taper shank do you need to use with the TP600 probe.

Technical Parameters for probe and interface

- ◆ Stylus sensing direction: $\pm X, \pm Y, +Z$;
- ◆ Stylus sensing over-travel : $X-Y \pm 15^\circ, Z +5 \text{ mm}$;
- ◆ The trigger force in Z direction: 1000 g;
- ◆ Trigger force in X-Y surface (standard stylus) : 65-130g;
- ◆ Unidirectional repeatability (2σ) : $\leq \mu\text{m}$;
- ◆ Input voltage is $24 \pm 10\% \text{ V DC}$ and output load current is 50 mA.
- ◆ Seal grade: IP68.

Technical Characteristics

- ◆ The signal interface of probe is integrated inside the probe, and the trigger signal is transmitted by cable;
- ◆ By changing the power supply's polarity at the probe interface, the logic state of the output signal can be reversed;
- ◆ The stylus connector of the probe is protected by double layers of rubber seal.
- ◆ The probe uses two pieces of cable to transmit signals, one of spiral cable has aviation plugs at both ends , which can be quickly installed and discounted, providing convenience for the application of the probe in different equipments.

Basic configuration

- ◆ The standard: M4-P50-RB6-S36A;
- ◆ The cable: 4 cores' shielded, oil - proof sporting cable, length:6m.

Application

- ◆ Setting work-piece coordinate system and machining zero points automatically before processing;
- ◆ Detect and control the key dimensions, position coordinates and their precision automatically between two processes;
- ◆ Detect precision of the key dimensions, shapes, position after processing.
- ◆ Applicable equipments: various specifications of CNC grinding machines, CNC lathes and specially measuring devices.