



T25P

HIGH PRECISION TOUCH PROBE



MARRPOSS

System description

T25P is a Marposs high precision hard-wired probe useful for part measurement on tool grinders and grinding machines designed for extremely precise parts such as tool cutter and gear.

The probe, through automatic detection of machine axis position, can achieve both part positioning and accurate part measurement.

Based on piezoelectric technology, T25P guarantees unbelievable performances in 3D complex parts measures.

The ultra-compact design together with its incredible precision make it the right solution for each kind of applications.

Benefits

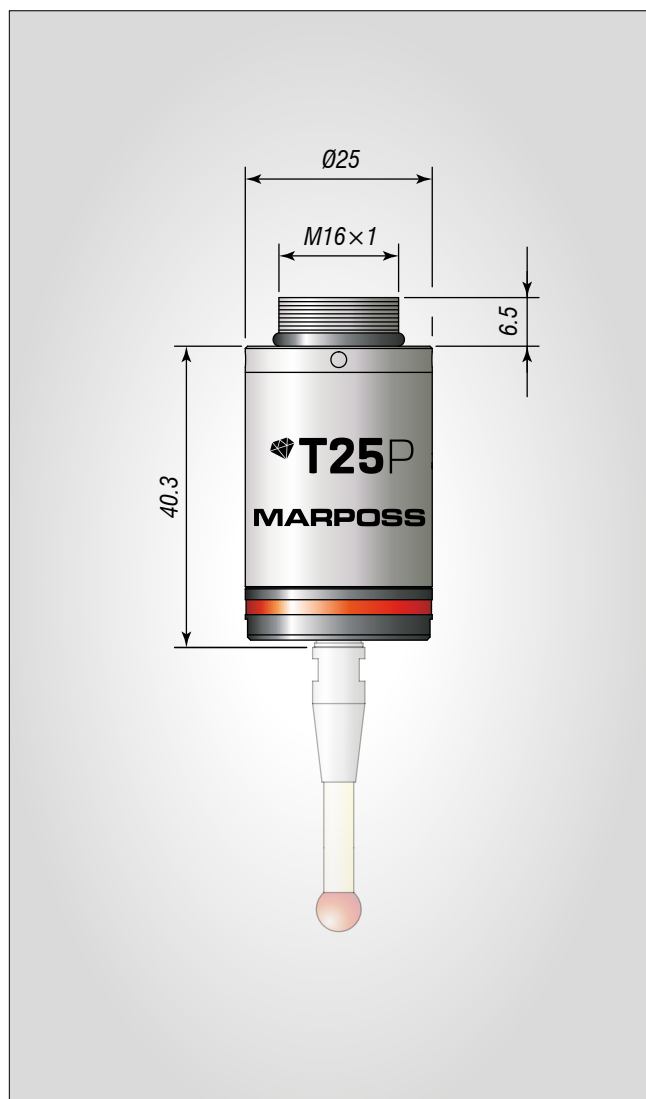
- Improved production quality;
- Increased Productivity;
- High accuracy that means sensitive scrap reduction;
- Incredible measurement performances on complex and sculptured surface too;
- Compact dimensions and great mechanical robustness;
- High immunity to noise and vibration.



T25P high accuracy touch probe

T25P is one of the smallest hard-wired touch probes, with its 40 mm of length and 25 mm of diameter, perfect for small working areas as it usually is in sharpeners and grinding machines. Nonetheless, the probe ensures robustness and reliability even in harshest working environments.

T25P operates with E32U standard interface, which receives and process the signal from the probe and relays it directly to the machine tool CNC.

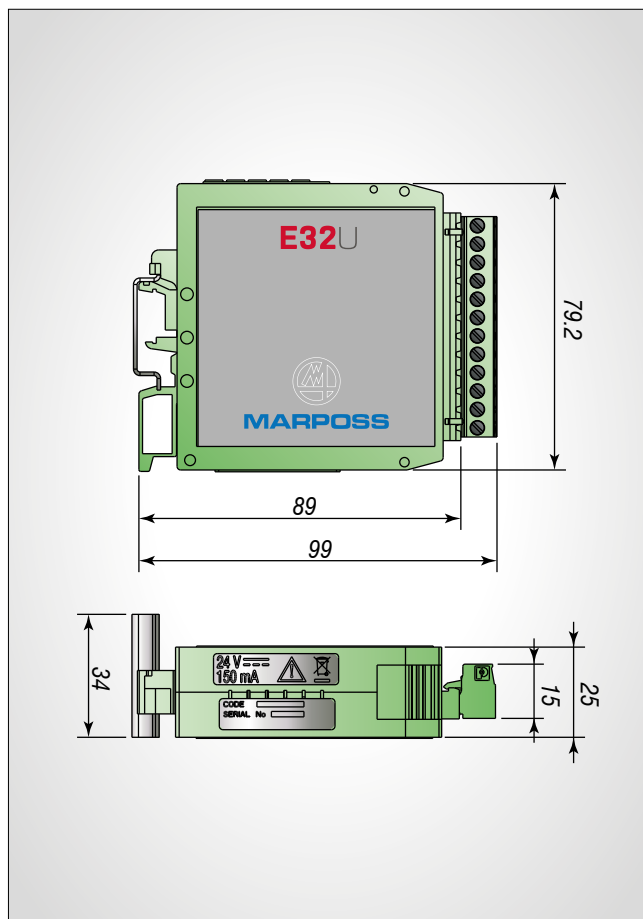


	T25P	TL25P
UNIDIRECTIONAL REPEATABILITY (2σ)*	0.25 μm	
2D LOBING IN X/Y*	±0.25 μm	
3D LOBING IN X/Y/Z*	±1 μm	
TRIGGER FORCE	0.07 N	0.07 N
OVERTRAVEL FORCE*	1.5 N <i>XY plane</i> 10 N <i>Z direction</i>	1 N <i>XY plane</i> 8 N <i>Z direction</i>
OVERTRAVEL	12° <i>XY plane</i> 6 mm <i>Z direction</i>	
PROTECTION DEGREE <i>(Standard IEC 60529)</i>	IP67	

(*) = data refer to 35 mm stylus

E32U interface

E32U is a standard MarpoSS interface for hard wired application that receives and process the signal from the probe and relays it directly to the machine tool CNC. The probe status information (probe status, power supply and error) are constantly show by 3 coloured LED. Furthermore, thanks 5 external switches, the application set up is easy and quickly adjustable without waste of time.



POWER SUPPLY	24 Vdc unstabilized 12-30 V dc
CONSUMPTION	150 mA max
OUTPUT SIGNALS	Solid state relay (SSR) ± 30 V max ± 100 mA max
EXTERNAL LEDS	Max current 5 mA
PROTECTION DEGREE (IEC 60529)	IP20

System codes

3427912020	TL25P probe	
3427912021	T25P probe	
8303290081	E32U interface	
8303290082	E32U interface for grinders	
2915335041	Support with connector flange 6 m	
2915335049	Support with connector flange 12 m	
2915335043	Threaded support 6 m	
2915335053	Threaded support 12 m	
2915335056	One-axis adjustable support 6 m	
2915335058	One-axis adjustable support 12 m	
2915335057	Standard support 6 m	
2915335063	Standard support 12 m	
2915335069	Angular adjustment support 10 m	

For styli please make reference to accessories for probes brochure



www.marpoSS.com

For a full list of address locations, please consult the MarpoSS official website

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