

TS30

REPEATABILITY (2σ)*	1 μm	
OVERSTROKE*	XY Plane 7.8 mm	Z Direction 3.5 mm
TRIGGER FORCE	Radial 1,2 ÷ 2,4 N	
TOUCH SPEED	600 mm/min	
POWER SUPPLY	24 VDC not stabilised (12 ÷ 30 V)	
MAX CURRENT	35 mA	
PROBE STATUS OUTPUT	Solid state relay ±50 V peak; ±40 mA peak	
RESPONSE TIME	370 μs max	
PROTECTION DEGREE (IEC 60529 Standard)	IP67	
OPERATING TEMPERATURE	10° ÷ 40° C (50° ÷ 104° F)	
STORAGE TEMPERATURE	-20° ÷ 70° C (-4° ÷ 158° F)	
WEIGHT	≈1 Kg (2lb, 3 Oz)	

(*) = Data refer to the detection disk.

TS30 90°

REPEATABILITY (2σ)*	1 μm	
OVERSTROKE*	XY Plane 12.6° mm	Z Direction 3.5 mm
TRIGGER FORCE	1,2 ÷ 2,4 N	
TOUCH SPEED	600 mm/min	
POWER SUPPLY	24 VDC not stabilised (12 ÷ 30 V)	
MAX CURRENT	35 mA	
PROBE STATUS OUTPUT	Solid state relay ±50 V peak; ±40 mA peak	
RESPONSE TIME	370 μs max	
PROTECTION DEGREE (IEC 60529 Standard)	IP67	
OPERATING TEMPERATURE	10° ÷ 40° C (50° ÷ 104° F)	
STORAGE TEMPERATURE	-20° ÷ 70° C (-4° ÷ 158° F)	
WEIGHT	≈1 Kg (2lb, 3 Oz)	

(*) = Data refer to 90° styli provided with the probe.

VOTS

UNIDIRECTIONAL REPEATABILITY (2σ) at 600 mm/min	1 μm	
MEASUREMENT FORCE	XY Plane 0,5 ÷ 0,9 N	Z Direction 5,8 N
OVERTRAVEL	XY Plane 7 mm	Z Direction 6 mm
TRANSMISSION TYPE	Multi-channel optical transmission	
TRANSMISSION ACTIVATION/ DEACTIVATION DISTANCE	6 m (HP) 3,5 m (LP)	
TRANSMISSION ANGLE	360° on the probe axis 110° on a perpendicular axis	
NUMBER OF TRANSMISSION CHANNELS	6 max.	
TRANSMISSION DEACTIVATION	Automatic Machine M code	
TRANSMISSION DEACTIVATION	Programmable timer Machine M code	
BATTERY TYPE	2 x ½ AA lithium thionyl	
BATTERY LIFE*	Stand-by	230 d (HP) 380 d (LP)
	5% usage	190 d (HP) 320 d (LP)
	Continuous usage	1060 h (HP) 2100 h (LP)
PROTECTION DEGREE (Standard IEC 60529)	IP68	
OPERATING TEMPERATURE	0 ÷ 60 °C	

(HP) = High Power mode

(LP) = Low Power mode

(*) = Typical specifications - these values may vary depending on the programming mode

VOTS 90°

UNIDIRECTIONAL REPEATABILITY (2σ) at 600 mm/min	1 μm	
MEASUREMENT FORCE	XY Plane 0,5 ÷ 0,9 N	Z Direction 0,3 N
OVERTRAVEL	XY Plane 12°	Z Direction 6 mm
TRANSMISSION TYPE	Multi-channel optical transmission	
TRANSMISSION ACTIVATION/ DEACTIVATION DISTANCE	6 m (HP) 3,5 m (LP)	
TRANSMISSION ANGLE	360° on the probe axis 110° on a perpendicular axis	
NUMBER OF TRANSMISSION CHANNELS	6 max.	
TRANSMISSION DEACTIVATION	Automatic Machine M code	
TRANSMISSION DEACTIVATION	Programmable timer Machine M code	
BATTERY TYPE	2 x ½ AA lithium thionyl	
BATTERY LIFE*	Stand-by	230 d (HP) 380 d (LP)
	5% usage	190 d (HP) 320 d (LP)
	Continuous usage	1060 h (HP) 2100 h (LP)
PROTECTION DEGREE (Standard IEC 60529)	IP68	
OPERATING TEMPERATURE	0 ÷ 60 °C	

(HP) = High Power mode

(LP) = Low Power mode

(*) = Typical specifications - these values may vary depending on the programming mode

WRTS

UNIDIRECTIONAL REPEATABILITY (2σ)	1 μm*	
MEASUREMENT FORCE	XY Plane 1 - 2 N	Z Direction 8.6 N
OVERTRAVEL	XY Plane 8 mm	Z Direction 3.5 mm
TRANSMISSION TYPE	Multichannel radio	
TRANSMISSION ACTIVATION/ DEACTIVATION DISTANCE	15 m	
NUMBER OF AVAILABLE CHANNELS	79	
NUMBER OF SUB- CHANNELS	4	
TRANSMISSION ACTIVATION	Machine M code	
TRANSMISSION DEACTIVATION	Manual: Automatic:	Machine M code Programmable timer
BATTERY TYPE	2 CR2 type lithium batteries	
BATTERY LIFE*	Standby:	1 y
	5% usage:	270 d
	Continuous usage:	900 h
PROTECTION RATING (Standard IEC 60529)	IP68	
WORKING TEMPERATURE	0 - 60 °C	

(*) = Typical performance values, may vary depending on programming mode