

Series	Model	Example Model Names	Angular Accuracy	Year of make	InfraRed							Reflectorless															
					Accuracy	Carrier Wave length (nm)	Frequency (mHz)	Unit Length (m)	Ref. Refrac. Index	C	D	Accuracy	Carrier Wave length (nm)	Frequency (mHz)	Unit Length (m)	C	D										
	DI3000	n/a	n/a	1990-1993	3mm ± 1ppm	865	15 (14.98540374)	10	1.00028	281.55	79.33	n/a															
	DI1000	n/a	n/a	1987-1990	5mm ± 5ppm	865	7.5 (7.492701868)	20	1.00028	281.55	79.33																
	DI1001	n/a	n/a	1989-2001	5mm ± 5ppm	850	50 (49.95133424)	3	1.000281783	281.8	79.39																
	DI1600	n/a	n/a	1989-2001	3mm ± 2ppm																						
	DI2002	n/a	n/a	1989-2001	1mm ± 1ppm																						
	TC1010	n/a		1992-1995	3mm ± 2ppm																						
	TC1610	n/a		1991-1995	3mm ± 2ppm																						
	TC500	n/a		1992-1995	5mm ± 5ppm																						
	TC600	n/a		1994-1998	3mm ± 3ppm																						
	TC605	n/a		1996-1999	2mm ± 2ppm																						
TC805	n/a		1997-2000	2mm ± 2ppm																							
TPS1000	1100	TCM1100	3	1995-2002	2mm ± 2ppm							780	100 (99.902254202)	1.5	1.000283049	283.05	79.75	670	100	1.5	285.93	80.56					
	1500	TCA1500	2	1995-2001																							
	1700	TC1700	1.5	1995-1998																							
TPS2000	1800	TCM1800	1	1995-2001	1mm ± 2ppm																						
	2000	TC2000	0.5	1985-1987	1mm ± 1ppm																						
	2002	TC2002	0.5	1990-1997																							
2003	TCA2003	0.5	1997-2009																								
TPS5000	TM, TDA, TDM	TM5000, TM5100A, TDA5005	0.5	1996-2010	0.2mm																						
TPS100	TC110 / C, TCR110C	TCR110	10	2000-2005	2mm ± 2ppm	780	100 (99.902254202)	1.5	1.000283049	283.05	79.75												670	100	1.5	285.93	80.56
TPS300	TC, TCR	TCR305	3, 5, 7	1998-2003																							
TPS400	TC, TCR	TCR407	3, 5, 7, 10	2001-2007																							
TPS700	TC, TCR, TCAuto, TCRAuto	TCR703Auto	2, 3, 5	1999-2008																							
TPS800	TC, TCR	TCR803	2, 3, 5	2004-2007																							
TPS1100 (& plus)	TC, TCR, TCM, TCRM, TCA, TCRA	TCRM1103, TCA1105	1.5, 2, 3, 5	1998 - 2004																							
	TC, TCR, TCM, TCRM, TCA, TCRA, TCP, TCRP	TC1205, TCRA1203, TCP1201	1, 2, 3, 5	2004 - 2007																							
TPS400/800 NEW EDM since 2007	TC, TCR, TCRM	TC405, TCR805	1, 2, 3, 5, 7	2007 - 2008	1mm ± 1.5ppm	658	100 (99.90221353)	1.5	1.000286338	286.34	80.68	658	100	1.5	286.34	80.68											
TPS1200+ NEW EDM since 2007	TC, TCR, TCRM, TCA, TCRA, TCP, TCRP	TCR1205+, TCRA1203+, TCP1201+	1, 2, 3, 5	2007 - 2010	1mm ± 1.5ppm																						
TS30 & TM30	TS30, TM30	TS30, TM30	TS30:0.5" & TM30:0.5" & 1"	2009 - 2013	0.6mm ± 1ppm																						
Nova	TS50, TM50, MS50 TS60, MS60	TS50, MS50 TS60, MS60	TS: 0.5" MS: 1.0"	2013 - 2015 2015 -	TS/TM: 0.6mm ± 1ppm, MS: 1mm ± 1.5ppm																						
Viva	All	TS11, TS15 TS16	1, 2, 3, 5 1, 2, 3, 5	2010 - 2015 2015 -	1mm ± 1.5ppm																						
FlexLine	TS02	TS02 Ultra - 5"	3, 5, 7	2009 -	1.5mm ± 2ppm	658	100	1.5	1.000286338	286.34	80.68	658	100	1.5	286.34	80.68											
	TS06	TS06 Ultra - 3"	2, 3, 5	2009 -																							
	TS09	TS09 Ultra - 1"	1, 2, 3	2009 -													1mm ± 1.5ppm										

Leica Total Station model naming conventions

Leica EDMs are all phase, not Pulse type

Frequency shown in brackets & Reference Refractive Index supplied by ACT Government

DI = Distomat EDM, TC = Total Station, R = Reflectorless, M = Motorised, A or Auto = Automatic Target Recognition, P = PowerSearch, I = Imaging

The "M", "A", "P", "I" models are independent of the EDM types.

The angular accuracy is designated in some model names but this has not always been the case. E.g. TC1105 was a 5 second model, TC1800 was a 1 second model.

TPS1000 / TPS1100. The models of these 2 series of instruments can be confused. The TPS1000 series has a model named TC (M) (A) J1100. The TPS1100 series model names all end with the angular accuracy eg TC1103.