LEICA Instrument EDM Specifications

Series	Model	Example Model Names	Angular Accuracy	Year of make	InfraRed						Reflectorless					
					Accuracy	Wavelength (nm)	Frequency (mHz)	Unit Length (m)	C	D	Accuracy	Wavelength (nm)	Frequency (mHz)	Unit Length (m)	C	D
	DI3000	n/a	n/a	1990-1993	3mm ± 1ppm	865	15	10	281.55	79.33	n/a					
	DI1000	n/a	n/a	1987-1990	5mm ± 5ppm	865	7.5	20	281.55	79.33						
	DI1001	n/a	n/a	1989-2001	5mm ± 5ppm	850	50	3	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												
	TC805	n/a		1997-2000	2mm ± 2ppm											
TPS1000	1100	TCM1100	3	1995-2002	2mm ± 2ppm											
	1500	TCA1500	2	1995-2001												
	1700	TC1700	1.5	1995-1998												
	1800	TCM1800	1	1995-2001	1mm ± 2ppm											
TPS2000	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	1.5	283.05	79.75	3mm ± 2ppm	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												
TPS1200	TC, TCR, TCM, TCRM, TCA, TCRA, TCP, TCRP	TC1205, TCRA1203, TCP1201	1, 2, 3, 5	2004 - 2007							<500m:3mm ± 2ppm, >500m:5mm ± 2ppm					
TPS400/800 NEW EDM type, Maufactured 2007	TC, TCR, TCRM	TC405, TCR805	1, 2, 3, 5, 7	2007 - 2008	1mm ± 1.5ppm	658	100	1.5	286.34	80.68	<500m:2mm ± 2ppm, >500m:4mm ± 2ppm	658	100	1.5	286.34	80.68
TPS1200+ NEW EDM type, Maufactured 2007	TC, TCR, TCRM, TCA, TCRA, TCP, TCRP	TCR1205+, TCRA1203+, TCP1201+	1, 2, 3, 5	2007 - 2010	1mm ± 1.5ppm											
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											
TS30 & TM30	TS30, TM30	TS30, TM30	TS30:0.5", TM30:0.5" & 1"	2009 - 2013	0.6mm ± 1ppm											
Viva	All	TS11, TS15, TS15, 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						2mm ± 2ppm					
	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

DI = Distomat EDM, TC = Total Station, R = Reflectorless, M = Motorised, A or Auto = Automatic Target Recognition, P = PowerSearch, I = Imaging
Leica Total Stations with the letter "R" in the model name have InfraRed EDM and Reflectorless EDM. Model names without the letter "R" have InfraRed EDM only.
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 is a 5 second model, TC1800 was a 1 second model.
The reflectorless EDM has had 2 ranges available (Std range and Xrange) both with the same wavelength specs.
) series has a model named TC (M) (A)1100. The TPS1100 series model names all end with the angular accuracy eg TC1103.

Reference Refractive Index: 1.0002863