

FMT-W40 Motorized Pull Tester

Features



- For tensile testing of wire terminals according to IEC, DIN, EN, BS, UL, SAE, MIL and NASA standards
- Compact and rugged bench top instrument with hardened scratch-resistant base plate
- 3 test modes selectable for destructive and non-destructive test, pull and break, pull and hold, pull hold and break *
- Constant pull speed in 7 steps selectable between 10?200 mm/min *

Technical data

		Order No.:	
		FMT-W40C5	FMT-W40K1
Capacity F(nom)*	N	500	1000
Resolution**	N	0,5	1
Tolerance**	% F(nom)	0,5	
Temperature coefficient	% / K	0,02	
Reproducibility***	% F	0	
Repeatability*	% F	0,25	
Hysteresis***	% F	0	
Max. operating force*	% F(Nom)	120 (autoreverse if exceeded)	
Measurement error**	% F(nom)	1,0	
Breaking force*	% F(nom)	150	
Nominal deflection*	mm	0,15	0,25
Display	Type	LCD, 5 digits, 14mm high	

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FMT-W40

Motorized Pull Tester

Measuring principle		Force sensor with full bridge strain gauge and high-speed μ -processor	
Measuring rate	Hz (Peak)	~ 1000	
Memory		Statistics memory with display of the mean, maximum, minimum and standard deviation for 1000 measurements	
Cable diameter	mm (slot width)	0,5 0,8 1,0 1,3 1,5 2,0 2,5 3,0 3,5 4,0 5,0 6,0	
	mm (clamping device)	0,1 - 6,0	
Cross section	Range IEC 60352-2	0,05 - 4mm ² (AWG 10-30)	0,05 - 6 mm ² (AWG 8- 30)
	Range SAE AS7928 II	AWG 14 - 30	AWG 10 - 30
Min. cable length	mm	70	
Pull speed	mm/min	10 25 37,5 50 100 150 200	
Speed tolerance	%	+/- 2,0	
Power supply	Type	24 VDC 3A	
Interface	USB 2.0	Optional software FMT-W_Connect	
Temperature	Operation (°C)	0 - 30	
	Stocking (°C)	-5 - 60	
Weight	kg	14,5	
Dimensions (LxWxH)	mm	320 x 160 x 115	
Material		Anodised aluminum, surface hardened steel, stainless steel V2A, polystyrene	

*) according to VDI / VDE / DKD 2638 at 0.2 ... 1 x F (nom)

**) according to DIN 1319-1

***) due to design and application, no independent error contribution

Scope of Supply

Pulltester (desktop unit) complete with test adapter, motor-driven traction, USB interface, CD-ROM with software (without license), data cable and universal power supply. Operating instructions (DE, EN, FR, SP, IT) with CE conformity confirmation, DAKkS calibration certificate, software license, interchangeable adapter and carrying case must be ordered separately.

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