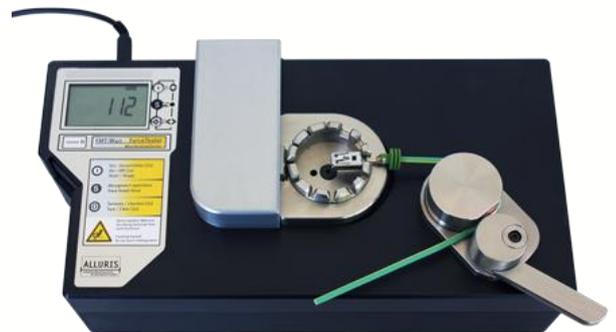


FMT-W40

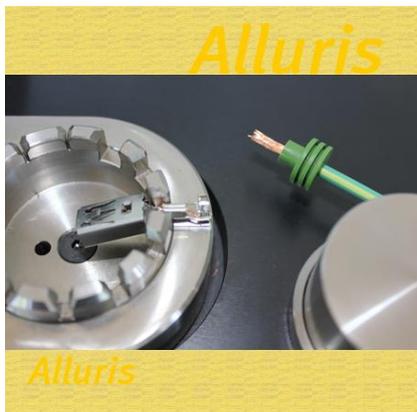
*Motorized Pull Tester with USB-interface,
statistical data and limit settings*

Features

- For tensile testing of wire terminals in accordance with 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 *



Details



The motorized pull tester is a compact bench top instrument to measure the tensile strength of most common solder-free cable joints with end sleeves, pins, solder pins or similar wire terminal components.

Test samples are inserted into the receptacle adaptor, which has 12 different slot widths (from 0.5mm to 6.0mm), covering all the prevalent wire strengths and terminal types. More adaptors are available under www.alluris.com.

With the optional software the measurement data can be downloaded via the USB interface to MSExcel. It takes only a few minutes to prepare a complete test report with statistical summary as pdf-file (more details please check software FMT-W_Connect).

Order Info

Carrying case for FMT-W (Acc. item-no. FMT-918)



Optional available grips (samples)



FMT-W40

Standard

Pull Tester motorized, complete with terminal adaptor, USB interface (software optional) and operation manual.

Option

FMT-820N1
FMT-W40SW

Calibration Cert. acc. VDI/VDE 2624 page 2.1 R (pull)
FMT_W-Connect - Documentation and reporting software for MsExcel with statistical evaluation of test results, selection table with all relevant cross sections and test standards acc. to IEC / ISO and SAE, Upgrade option to extend measuring range. Please check www.alluris.com

Optional grips

Spec

FMT-W40C5

FMT-W40K1

		FMT-W40C5	FMT-W40K1
Measuring range	F[N]	0...500N (110Lb 50kg)	0...1000N (220Lb 100kg)
Wire diameter	Slot width terminal adaptor	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	
	Clamp opening	0,1 ... 6,0 mm (continuously variable)	
	Dia. range IEC 60352-2	0,05 ... 4mm ² (AWG10...30)	0,05 ... 6mm ² (AWG8...30)
	Dia. range SAE AS7928 II	AWG 14 ... 30	AWG 10 ... 30
Pull speed		100 mm/min (10 25 37,5 50 150 200 mm/min adjustable *)	
Resolution		0,5 N (0,1Lb 0,05kg)	1N (0,2Lb 0,1kg) 0,5 N (0,1Lb 0,05kg) adjustable *
Accuracy	@ 23°C (F[N])	+/- 0,5% (+/- 1 increment of resolution)	
	Tk (absolute)	Self adjusting at start	
	Tk (relative)	+/- 0,02% (°K)	
Measuring mode	Standard	Displays real time value in N kgf lbf	
	Peak	Displays peak value in N kgf lbf	
Overload protection		AutoHome at 120% (F[N])	
Display	Type	LCD, 4-digit, 12mm high	
	Update (Standard)	1000 msec 500 msec 333 msec 200 msec 100 msec (adjustable)	
	Update (Peak)	ca. 1 msec	
Memory		Capacity of 1000 test cycles statistics with display of avg., max., min., and standard deviation	
Power supply	Type	24 VDC 3A universal power supply	
Interface	USB 2.0	Optional software FMT-W_Connect	
Temperature range	Operation	0°... 30° C	
	Storage	-5°... 60°C rF80%	
Weight		app. 14 kg	
Dimensions	LxWxH	320 x 160 x 115 mm	
Housing material		Anodized aluminum, surface hardened steel, stainless steel, polystyrene	

* Function/specification only available with optional software FMT-W_Connect (FMT-W40SW)
bold: default settings