

FMT-W₃₀ Manual Pull Tester



Features

- Test of wire terminals according IEC, DIN, EN, BS, UL, SAE, MIL and NASA standards
- Space-saving and non-slip bench top instrument with hardened scratch-resistant base plate
- Always operable due to independant power supply, low cost of ownership
- Clamping device securely grips different surface materials

Technical data

		Order No.:	
		FMT-W30C5	FMT-W30K1
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	0,3	
Hysteresis***	% F	0	
Max. operating force*	% F(nom)	120	
Measurement error**	% F(nom)	1	
Breaking force*	% F(nom)	150	
Nominal deflection*	mm	0,15	0,25
Display	Type	LCD, 5 digits, 14mm high	

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Measuring principle		Force sensor with full-bridge strain gauge and high-speed μ -processor	
Measuring rate	Hz (Peak)	~ 1.000	
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 - 6mm ² (AWG 8 - 30)
	Range SAE AS7928 II	AWG 14 - 30	AWG 10 - 30
Min. cable length	mm	70	
Power supply	Type	Solar cell or via USB interface with connected PC Optionally with USB power supply	
Interface	USB 2.0	Optional software FMT-W_Connect	
Adm. temperature	Operation (°C)	0 - 40	
	Stocking (°C)	-5 - 60	
Weigth	kg	14,0	
Dimension (LxWxH)	mm	350 x 160 x 75	
Material		Anodised aluminum, surface hardened steel, stainless steel V2A	

*) 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 and clamp-off device, USB interface, CD-ROM with software (without license), data cable and USB power supply. Operating instructions (DE, EN, FR, SP, IT) with CE certificate of conformity. Please order DAkKS Calibration certificate, software license, removable adapter and carrying case separately.

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