

## Digital Force Gauge for Terminal Connections

### SQS07-M



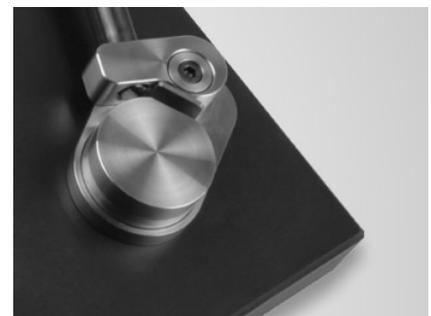
- simple operation with automatic peak value recording
- high accuracy and reproducibility
- solid construction for high durability
- USB 2.0 interface
- adaptor for all prevalent terminal types
- independent power supply due integrated solar cell



integrated solar cell under display

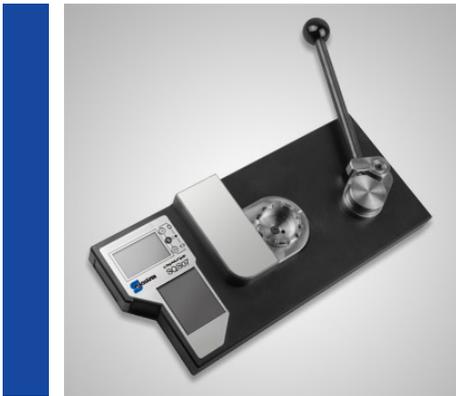


adaptor for terminal types



lever system for wire pulling

## SQS07-M



### Description

This instrument is designed for measuring tensile strength of soldered or solder-free cable joints with end sleeves, pins, solder pins or similar wire terminal components in accordance with BS, EN, DIN, IEC, UL, SAE and MIL standards.

Test samples are inserted into the receptacle adaptor, which has 12 different slot widths (from 0,5 mm to 6,0 mm), covering all the prevalent wire strengths and terminal types. The traction force is applied by an easy gliding lever system which simultaneously clamps the wire and creates a consistent pull with minimal effort.

The traction force is collected at an accuracy of  $\pm 0,5\%$  and is shown on the display at a resolution of 0,5 N. The peak value, at which the cable is torn, will be automatically saved in the memory and can be compared with a limiting value.

Optional software allows easy and quick preparation of test reports with statistics and individual results using Microsoft Excel. This software is available in German, English, French, Spanish and Italian. This software can also be used to change the measurement range.

The integrated solar cell in the display allows stand-alone operation and is therefore suitable for mobile use.

### Range of Application

The solid instrument is designed for quality control applications in laboratories and in production facilities.

## Technical Data

SQS07-M

<b>Supplies</b>	
Power Supply	independent due integrated solar cell
Drive	manual wire pulling with lever
Measuring Range	up to 500 N by resolution of 0,5 N (optional up to 1000 N by resolution of 1 N)
<b>Cable Thickness</b>	
Slot Widths Of Testing Adapter	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 mm (continuously variable)
Range IEC 60352-2	AWG 8 - 30   0,05 - 10 mm <sup>2</sup>
Range SAE AS7928 II	AWG 12 - 28
<b>Accuracy</b>	
at 23°C (F.S.)	+/- 0,5 % (+/- 1/2 digit)
Tk (absolut)	automatic readjustment while starting
Tk (relativ)	+/- 0,02 % (°K)
<b>Operation Mode</b>	
Standard	displays the actual value in N / kgf / lbf
Peak	displays the peak value in N / kgf / lbf
Max. Admissible Overload	200 % (F.S.) / alarm at 120 % (F.S.)
<b>Reaction Time</b>	
Standard	1000 / 500 / 333 / 200 / 100 ms (adjustable)
Peak	approx. 1 ms
Memory	Peak value (Peak)
Interface Capability	USB 2.0
Display	LCD, 4-digit, 12 mm high
<b>Design</b>	
Housing Material	anodised aluminium, surface tempered steel, stainless steel V2A
<b>Temperature Range</b>	
Operation	0° C - 40° C
Storage	-5° C - 60° C (rF < 80%)
<b>Dimensions &amp; Weight</b>	
W x D x H	350 x 160 x 65 mm (without lever)
Weight	approx. 13 kg

## Sales and Service for Turkey



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