

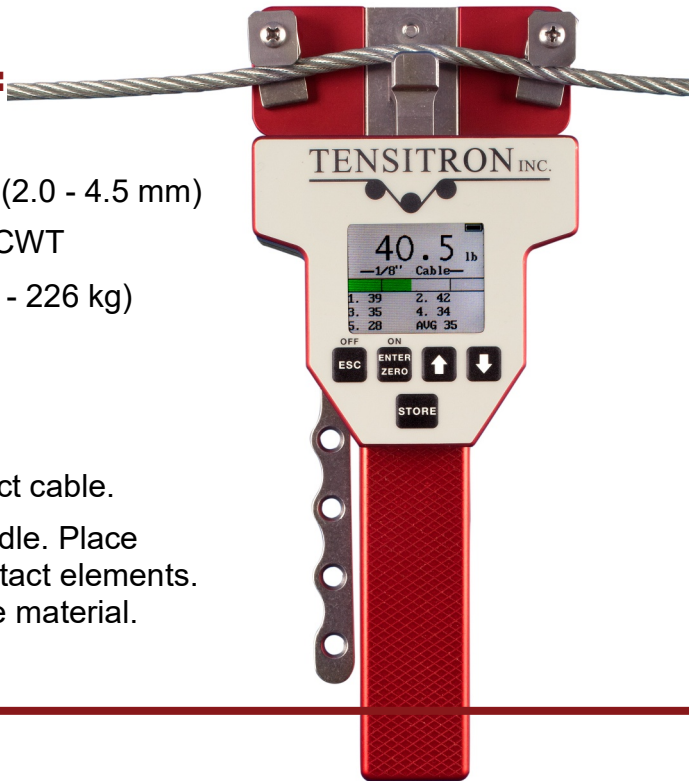
# ACX-1 Series Digital Tension Meters For aircraft cables

## Versatile tension measurement for:

- Aircraft cables
- 1/16" - 1/4" diameter (2.0 - 4.5 mm)
- Fractional, metric, or CWT
- Tension 5 - 500 lb. (3 - 226 kg)
- Static material

## Simple to use:

1. Turn unit on and select cable.
2. Release lever on handle. Place material between contact elements. Close lever to engage material.
3. Tension will display.



## Precise, convenient cable tension measurement for MRO providers

## Supports aircraft safety and airworthiness.

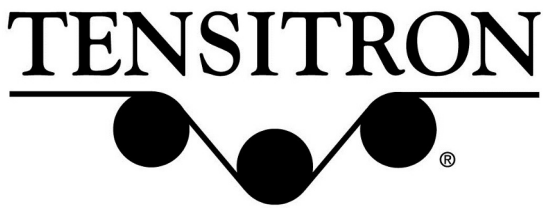
- Superior technology
- Easy operation
- High precision
- Powerful features

## Features:

- Calibrated for commonly-used aircraft cables
- Custom calibrations available (up to 10 cables total)
- **Accurate +/- 2% full-scale**
- Calibrated for galvanized steel, uncoated, 7x19 cables (except 1/16" which is 7x7).
- Measures static (stationary) cables
- Large, clear, color display
- Displays tension in lb., kg, or daN
- Dynamic Bar Graph provides quick, color visual of tension levels
- Takes readings in hard-to-reach places with one-touch data storage
- Calculates Data Statistics (count, max, min, average, standard deviation)
- Rechargeable battery powers the instrument for up to 12 hours of continuous use
- One-year warranty against factory defects
- Lightweight, protective carrying case included
- Data can be output to an electronic device with RS-232 or analog output options
- Calibration certificate included with values traceable to NIST Standards
- Includes cable diameter gauge to easily determine correct cable size



TO ORDER: Email: [Sales@Tensitron.com](mailto:Sales@Tensitron.com), T: 303-702-1980, F: 303-702-1982  
TENSITRON ~ 733 S. Bowen Street, Longmont, CO 80501, USA  
SEE OUR WEBSITE: [www.Tensitron.com](http://www.Tensitron.com)



# ACX-1 Series Digital Tension Meters

For aircraft cables

## Models:

	<u>Tension</u>	<u>Model No. and Calibrations Included</u>		
		<u>Metric Cables</u>	<u>Fractional Cables</u>	<u>CWT Cables</u>
<b>5 - 100 lb.</b>  (2 - 45 kg)			<b><u>ACX-100-1</u></b> 1/16, 3/32, 1/8, 5/32"	
	<b><u>ACX-100-M-1</u></b> 2.0, 2.5, 3.5mm			
		<b><u>ACX-100-FM-1</u></b> 1/16, 3/32, 1/8, 5/32" and 2.0, 2.5, 3.5mm		
			<b><u>ACX-100-CMB-1</u></b> 1/16, 3/32, 1/8, 5/32" and 5, 10, 15, 20, 25 CWT	
<b>20 - 250 lb.</b>  (9 - 113 kg)			<b><u>ACX-250-1</u></b> 1/16, 3/32, 1/8, 5/32, 3/16"	
	<b><u>ACX-250-M-1</u></b> 2.0, 2.5, 3.5, 4.0mm			
		<b><u>ACX-250-FM-1</u></b> 1/16, 3/32, 1/8, 5/32, 3/16" and 2.0, 2.5, 3.5, 4.0mm		
			<b><u>ACX-250-CWT-1</u></b> 5, 10, 15, 20, 25 CWT	
			<b><u>ACX-250-CMB-1</u></b> 1/16, 3/32, 1/8, 5/32, 3/16", and 5, 10, 15, 20, 25 CWT	
<b>40 - 500 lb.</b>  (18 - 226 kg)			<b><u>ACX-500-1</u></b> 3/32, 1/8, 5/32, 3/16, 1/4"	
	<b><u>ACX-500-M-1</u></b> 2.5, 3.5, 4.0, 4.5mm			
		<b><u>ACX-500-FM-1</u></b> 3/32, 1/8, 5/32, 3/16, 1/4" and 2.5, 3.5, 4.0, 4.5mm		

## Options:

**-A**  
**Analog Output**  
Outputs continuous tension readings for remote monitoring and automatic responsive action

**-E**  
**RS-232 Digital Output**  
Uploads stored or real-time tension values to your electronic device

## Specifications:

**Accuracy:** 2% +/- full-scale (standard).

**Battery:** NiMH (NOT lithium ion). Safe for air transport. Rechargeable. Up to 12 hours continuous use per charge.

**Power supply:** Input: 100-240VAC, 50-60Hz, 0.48A, Output: 9 VDC, 2.2A

### Weight & Dimensions:

- Instrument: 1.5 lb., 8.14" x 5.20" x 1.56" (ACX-500-1), 8.14" x 3.37" x 1.39" (All but ACX-500-1)
- Shipment weight & dimensions (1 unit in case): 5 lb., 16" x 12" x 7"

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