



CableView™

Tension Meter



- ▶ RDI's **CableView™ Tension Meter** is a revolutionary cable tension measurement tool. The system is completely non-contact, utilizing a camera to measure the tension of guy wires. The tool uses industry approved methodologies* and removes human error by relying on precision measurement from video. It is easy to use, safer, saves time, and provides more accurate/repeatable results than the current industry standard.

Benefits



▶ TIA Approved Method

RDI's Camera Cable Tension tool utilizes approved methods and equations from TIA guidelines.*



▶ Safety

Measurements are made completely by the camera. No need to climb to place tool on guy wires.



▶ Speed

Measure multiple cables at once. An entire anchor point can be measured from a single recording of less than a minute.



▶ Accuracy

Eliminates the human error from the pulse/sway method. Accuracy down to 1 millisecond in timing.



▶ 3rd Party Support

RDI's Camera Cable Tension tool integrates with Crown Castle's Twist, Plumb and Tension Spreadsheet. Import an entire tower's data from the spreadsheet and export tensions directly to the Crown Castle spreadsheet. All with a couple of click of the mouse.



▶ Data Transparency

Data plots can be exported for each measurement for reporting purposes, verifying data integrity to the tower owner.

*ANSI/TIA-222-G-2005 - ANNEX K: MEASURING GUY TENSIONS



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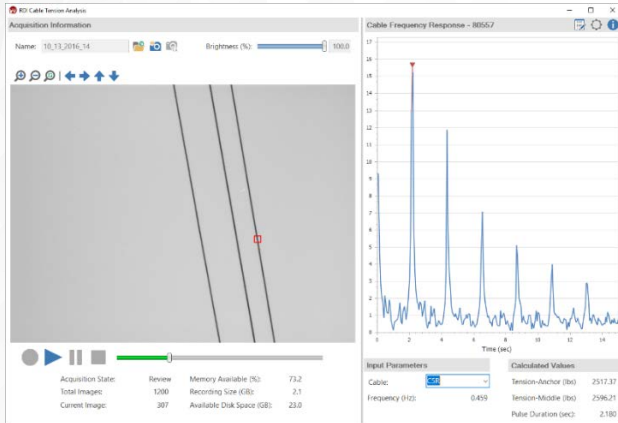
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- Data below represents measurements from a field test of RDI's CableView™ Tension Meter and a Shunt Style Meter. Data was collected from a single anchor point for all wire.

► CableView™ Test Comparison to TIA approve Pulse Method

Guy Wire Cable at B Anchor	CableView™ Tension Measurement	TIA Approved Pulse Method	Difference	% Error
B1	2917	2860	57	2
B2	2711	2630	81	3.1
B3	3515	3510	5	0.1
B4	3359	3280	79	2.4
B5L	3633	3600	33	1
B5R	3329	3260	69	2.1
B6	5981	5890	91	1.5

► CableView™ Test Comparison to Shunt Style Meter

Guy Wire Cable at B Anchor	TIA Approved Pulse Method	CableView™ Tension Measurement	CableView™ % Error	Shunt Style Meter Measurement*	Shunt Style Meter % Error
B1	2580	2683	4	2607	1
B2	2480	2508	1.1	3707	49.5
B3	3250	3377	3.9	3093	4.8
B4	3220	3305	2.6	3107	3.5
B5L	3510	3537	0.8	3907	11.3
B5R	3050	3155	3.4	3467	13.7
B6	5840	5678	2.8	6607	13.1



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