



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Multiple Dimension Measuring Device
 Model: cubetape 190 MFT, cubetape 190 SPU
 cubetape 190 MPU, cubetape PRO, cubetape POS
 cubetape C190-T-c-PRO&POS versions *
 Maximum: 108 inches / 108 inches*
 Minimum: 1.2 inches / 6 inches*
 d_{min}: 0.1 inch / 0.5 inches*
 Software Version: V2.02.15 or higher

Submitted By:

Parcel Tools PTY Limited
 PO Box 5178
 Greenwich, NSW 2065 Australia
 Tel: +61 439 892 468
 Contact: Tony Bauer
 Email: tbauer@cubical.com
 Web site: www.cubetape.com

Standard Features and Options

Standard Features:

- USB Communication Port
- Bluetooth communications (BT-HID; BT-SPP, T-c)
- 1D barcode scanner (Models: MFT, MPU, T-c, PRO and POS)

Dimensioning Designation:

Dimensions	d	Minimum	Maximum
Length	0.1 in	1.2 in	108 in
Width	0.1 in	1.2 in	108 in
Height	0.1 in	1.2 in	108 in

Dimensioning Designation: Cubetape C190-T-c-PRO&POS versions *(Palletized)

*Dimensions	d	Minimum	Maximum
Length	0.5 in	6 in	108 in
Width	0.5 in	6 in	108 in
Height	0.5 in	6 in	108 in

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Kristin Macey
Chairman, NCWM, Inc.

Jerry Buendel
Committee Chair, National Type Evaluation Program Committee
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1135 M Street, Suite 110 / Lincoln, Nebraska 68508

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Parcel Tools PTY Limited

Multiple Dimension Measuring Device / cubetape 190 MFT, cubetape 190 SPU & cubetape 190 MPU, cubetape PRO, cubetape POS
cubetape C190-T-c-PRO&POS versions

Application: The cubetape 190 are used to calculate the dimensions of cuboidal shaped objects. Models with an integrated barcode scanner also are used retrieve and record data found in barcodes. The measuring mechanisms and accuracy of the models are identical.

Identification: The required information appears on a self- adhesive foil badge. With the foil badge, “void” is visible if an attempt to remove the label is made. During power up the NTEP CC & serial number is displayed.

Sealing: The cubetape 190 have no sealable parameters.

Operation: The cubetape 190 works by stretching the tape tip to one end of the object then align the tape stop with the other end of object. Measure and record the length dimension, then repeat for width and height dimensions. Data can be transmitted to host system via Bluetooth and USB.

Test Conditions: This Certificate supersedes Certificate of Conformance Number 16-018PA1 and is issued to include a cubetape C190-T-c-PRO&POS version which has a 0.5 inch division size. This version is mainly for Palletized freight. Several measurements were performed near maximum, near minimum, and near mid-range for the range listed. Several measurements were made via Bluetooth. No further testing was deemed necessary. Previous test conditions are listed below for reference.

Certificate of Conformance Number 16-018PA1: This Certificate supersedes Certificate of Conformance Number 16-018P and is issued to include a revised device intended to improve usability, and a non-display version (cubetape PRO & cubetape POS). The measure switch has been moved from under forefinger to under thumb. LEDs and the scan engine have been moved as well. Several measurements were performed near maximum, near minimum, and near mid-range for the range listed. Several measurements were made via Bluetooth. No further testing was deemed necessary.

Certificate of Conformance Number 16-018P: For the purpose of this evaluation, a model cubetape 190 MFT was submitted for evaluation. The emphasis of the evaluation was on device design, operation, markings, performance, and compliance with influence factor requirements. Several measurements were performed near maximum, near minimum, and near mid-range for the range listed. Several measurements were made via Bluetooth. The device was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F).

NOTE: This Certificate is issued as a provisional NTEP Certificate of Conformance (CC). This evaluation is based on the current draft checklist, procedures and technical policy contained in NCWM Publication 14 for this device type. When work on the NCWM Publication 14 section for this device is completed, the test report and this NTEP CC will be reviewed. If all current requirements have been met by this evaluation, the provisional status will be removed.

Evaluated By: M. Kelley (OH) 16-018P, 16-018PA1, 16-018P2

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2016 Edition. *NCWM Publication 14 Weighing Devices*, 2016 Edition.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: J. Truex (NCWM) 16-018P, 16-018PA1, 16-018PA2



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Multiple Dimension Measuring Device / cubetape 190 MFT, cubetape 190 SPU & cubetape 190 MPU, cubetape PRO, cubetape POS
cubetape C190-T-c-PRO&POS versions

Examples of Device:

