



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Multiple Dimension Measuring Device
 Model: cubetape 190 MFT, 190 SPU, 190 MPU, PRO, POS
 C190-T-c-PRO & POS versions *, C200
 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:

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Standard Features and Options

- 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	6.0 in	108 in
Width	0.5 in	6.0 in	108 in
Height	0.5 in	6.0 in	108 in

Dimensioning Designation : C200-TC5-XX (XX= 50 or 75) (50 = 196 in tape) (75 = 295 in tape)

Dimensions	d	Minimum	Maximum
Length	0.5 in	6.0 in	196 in / 295 in
Width	0.5 in	6.0 in	196 in / 295 in
Height	0.5 in	6.0 in	196 in / 295 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.

Mahesh Albuquerque
 Chair, NCWM, Inc.

Ivan Hankins
 Chair, NTEP Committee
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**Parcel Tools PTY Limited**

Multiple Dimension Measuring Device / cubetape 190 MFT, 190 SPU, 190 MPU, PRO, POS, C190-T-c-PRO&POS versions, C200

Application: The cubetape 190 and C200 are used to calculate the dimensions of cuboidal shaped objects. Models with an integrated barcode scanner also are used to retrieve and record data found in barcodes. The measuring mechanisms and accuracy of the models are identical. The C200 is comprised of two (2) “POD’s”. The measuring pod that holds the battery and measuring device and the tape pod that holds the tape.

Identification: The required information appears on a self- adhesive foil badge. If, the identification badge is tampered with it or attempt to peel the label “VOID” is visible. During power up the NTEP CC & serial number is displayed on certain models. The C200 model has the NTEP CC number located on the label above.

Sealing: The cubetape 190 and C200 have no sealable parameters on the device and is sealed at the manufacturer.

Operation: The cubetape 190 and C200 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 16-018A3 and was issued to add Model C200. The Parcel Tool Model C200-TC5-50 and C200-TC5-75 was submitted for evaluation. The emphasis of the evaluation was on the device design, operation, performance, and compliance with influence factors. Several measurements of length, width, and height were taken and compared to MDMD standard test objects. the minimum and maximum measurements were taken. Previous test conditions are listed below for reference.

Certificate of Conformance Number 16-018A3: This Certificate supersedes Certificate of Conformance Number 16-018PA3 and was issued to upgrade the certificate from “Provisional” to “Full”. The original certificate was issued when the “Multiple Dimension Measuring Devices” (MDMD) code in NIST Handbook 44 and NCWM Publication 14 checklist criteria for MDMD devices were under development. The MDMD code in Handbook 44 is no longer a “Tentative Code” and NCWM Publication 14 checklist criteria has been fully developed. NTEP has conducted further evaluation to make sure 2018 Handbook 44 and Publication 14 checklist criteria have been satisfied. Additional information from the certificate holder, data from the manufacturer and testing was done, reviewed and approved as needed. Previous test conditions are listed below for reference.

Certificate of Conformance Number 16-018A2: 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.

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; D. Flocken (NTEP) 16-018A3; B. Stone (OH) 16-018A4



Parcel Tools PTY Limited

Multiple Dimension Measuring Device / cubetape 190 MFT, 190 SPU, 190 MPU, PRO, POS, C190-T-c-PRO&POS versions, C200

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2023 Edition. *NCWM Publication 14 Weighing Devices*, 2023 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, 16-018A3; D. Flocken (NCWM) 16-018A4

Examples of Device:





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Multiple Dimension Measuring Device / cubetape 190 MFT, 190 SPU, 190 MPU, PRO, POS, C190-T-c-PRO&POS versions, C200

Example C200

