DIGITAL BREAST BRIDGE

The Digital Breast Bridge aids in setting up tangential breast treatment fields. After the borders of the tangential fields are determined, place the digital breast bridge to these skin marks. The digital readout will give the angles needed for the gantry. The field separation is determined by the scale on the rails.

The acrylic plates are 20 cm wide x 15 cm high and have 1 cm inscribed markings. Separations can be measured from 13 cm to 31 cm.

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>270-001</td>
<td>Digital Breast Bridge</td>
</tr>
</tbody>
</table>

Weight: 3.2 lbs

BREAST BRIDGE

The Breast Bridge aids in setting up portals for tangential breast treatment. After the area to be treated has been marked, the bridge is placed on the patient's chest and adjusted to the skin markings, thus, determining the separation of the fields. The angulation of the portals is determined from the ball protractor.

The acrylic plates are 20 cm wide x 15 cm high and have 1 cm inscribed markings. Separations can be measured from 15 cm to 35 cm. The ball protractor provides angulation readings from 15° to 80°.

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>270-000</td>
<td>Breast Bridge</td>
</tr>
</tbody>
</table>

BREAST BRIDGE COMPRESSOR

The Breast Bridge Compressor is used to compress the breast, particularly when it is desired to increase the dose to the residual mass at the end of a course of treatment. The aluminum mesh and frame are coated with a smooth blue vinyl plastic for minimum skin dose.

Specifications

|Treatment Area Size: 10 cm H x 15 cm W |
|Compression Distance: 1 cm to 13 cm |

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>272-100</td>
<td>Breast Bridge Compressor</td>
</tr>
</tbody>
</table>

MAMMO CALIPER WITH DIGITAL LEVEL

The Mammo Caliper is a rugged and accurate caliper designed to provide measurements for breast simulation or as general purpose caliper. Separations can be measured between 0 cm and 45.5 cm. The measurement is locked in position by tightening a thumb screw attached to the slide.

The digital level measures the angle of a line drawn between the tips of the caliper jaw. The HOLD button freezes the measurement on the level display. The level is attached with a thumb screw and can easily be removed. The level also has a magnetic base.

The Mammo Caliper has an accuracy measurement of ±0.1°.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>705-801</td>
<td>Mammo Caliper with Digital Level</td>
</tr>
</tbody>
</table>
MEASURING DEVICES & BAROMETERS/THERMOMETERS

WHITE RULERS

The white plastic rulers start at zero, and allow easy viewing of the light field edges. Rulers are checked for total accuracy of 1 mm.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>720-000</td>
<td>2.9 cm W x 20 cm L Rulers</td>
<td>12</td>
</tr>
<tr>
<td>721-000</td>
<td>7.6 cm W x 15 cm L Rulers</td>
<td>12</td>
</tr>
<tr>
<td>722-000</td>
<td>5.1 cm W x 45 cm L Ruler</td>
<td>1</td>
</tr>
<tr>
<td>722-000-12</td>
<td>5.1 cm W x 45 cm L Rulers</td>
<td>12</td>
</tr>
</tbody>
</table>

TRANSPARENT PLASTIC RULERS

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>723-001</td>
<td>30 cm Transparent Plastic Rule</td>
<td>1</td>
</tr>
<tr>
<td>723-001-12</td>
<td>30 cm Transparent Plastic Rules</td>
<td>12</td>
</tr>
<tr>
<td>723-002</td>
<td>45 cm/18&quot; Transparent Plastic Graph Rule</td>
<td>1</td>
</tr>
<tr>
<td>723-002-12</td>
<td>45 cm/18&quot; Transparent Plastic Graph Rules</td>
<td>12</td>
</tr>
</tbody>
</table>

ALUMINUM RULERS

The Aluminum Rulers are extremely accurate and have large, easy to read black numbers.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Graduations</th>
</tr>
</thead>
<tbody>
<tr>
<td>723-020</td>
<td>30 cm Aluminum Ruler, 35 mm Wide</td>
<td>1 mm - 1 cm</td>
</tr>
<tr>
<td>723-022</td>
<td>60 cm Aluminum Ruler, 35 mm Wide</td>
<td>1 mm - 1 cm</td>
</tr>
<tr>
<td>723-024</td>
<td>100 cm Aluminum Ruler, 35 mm Wide</td>
<td>1 mm - 1 cm</td>
</tr>
<tr>
<td>723-026</td>
<td>200 cm Aluminum Ruler, 35 mm Wide</td>
<td>1 mm - 1 cm</td>
</tr>
</tbody>
</table>

STAINLESS STEEL FLEXIBLE RULERS

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Graduations</th>
</tr>
</thead>
<tbody>
<tr>
<td>723-030</td>
<td>150mm Ruler with Pocket Clip</td>
<td>1mm - 0.5mm</td>
</tr>
<tr>
<td>723-031</td>
<td>6&quot;/15cm Ruler w/o Pocket Clip</td>
<td>1/16&quot; - 1 mm</td>
</tr>
<tr>
<td>723-032</td>
<td>12&quot;/30cm Ruler w/o Pocket Clip</td>
<td>1/32&quot; - 1/64&quot; &amp; 1 mm - 0.5 mm</td>
</tr>
<tr>
<td>723-033</td>
<td>6&quot; Ruler with Pocket Clip</td>
<td>1/32&quot; - 1/64&quot;</td>
</tr>
<tr>
<td>723-034</td>
<td>150mm Ruler with Plastic Case</td>
<td>1 mm - 0.5 mm</td>
</tr>
</tbody>
</table>

METRIC TAPES

Graduations in Millimeters

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>723-043</td>
<td>Vinyl Measuring Tape</td>
<td>150cm/60&quot;</td>
</tr>
<tr>
<td>723-044</td>
<td>Wooden Metric/Inch Folding Rule</td>
<td>2m/78&quot;</td>
</tr>
<tr>
<td>723-045</td>
<td>Metric Measuring Tape</td>
<td>5m/196&quot;</td>
</tr>
</tbody>
</table>
TAPE MEASURES

- Pee Wee Pocket Tape
- High Strength Case
- Yellow Clad Blade
- 1/4"/6mm Wide Blade is Flexible; Bold Graduations on Yellow Background

- Orange Case - Easy to Find
- Rubber Cushion Case Exterior Protects Tape From Impact and Improves Grip
- Bright Yellow Blade Has Clear Easy-To-Read Numerals
- Toggle Lock is Positioned for Convenient Operation
- Holds the Blade Securely in Any Position
- Cushioned Blade Return
- Removable Belt Clip

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>723-040</td>
<td>Tape Measure, 3 Meter x 6mm wide Black</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>723-041</td>
<td>Tape Measure, 3 Meter x 13mm wide Orange</td>
</tr>
</tbody>
</table>
TRIANGLES

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>723-010</td>
<td>6&quot; Plastic Triangle</td>
<td>30/60</td>
</tr>
<tr>
<td>723-013</td>
<td>12&quot; Plastic Triangle</td>
<td>30/60</td>
</tr>
<tr>
<td>723-016</td>
<td>12&quot; Plastic Triangle</td>
<td>45/45</td>
</tr>
</tbody>
</table>

RADIOLOGIST’S POCKET CALIPER/ANGLE RULE

Inches: Up to 6.5”
cm: 16 cm closed, 32 cm open
mm: Up to 50 mm
Angle: Measurements

MAGNIFICATION RULES

The Magnification Rules includes 15 cm scales (1.0, 1.05, 1.10, 1.15, 1.20, 1.25, 1.30, 1.35, and 1.40) magnified in increments of hundredth from 1.0 to 1.75. One scale will correspond to the magnification of most films to allow direct measurements. All scales are printed on clear mylar and can be superimposed on the area of interest, enabling measurements to be taken directly on the film.

CT-MAG RULES
For CT and MRI Images

The CT-Mag Rules consist of 22 point scales (3.5-5, 5.5-6, 6.5-7, 7.5-8, 8.5-9, 9.5-10, 10.5-11, 11.5-12, 12.5-13,and 13.5-14), and can be expanded to 40 cm for use with CT and MRI images.

D-MAG RULES

The D-Mag Rules consist of 11 scales (0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95 and 1.00), graduated in demagnification from 1 to 0.5 cm.
HEAD-NECK CALIPER

The Head-Neck Caliper is useful in measurements of either patient diameter or surface to tumor depth. The depth of a tumor or intraoral structure relative to either the lateral or anterior/posterior surfaces can be easily determined.

Specifications
Vertical Adjustment: 23 cm
Horizontal Adjustment: 26 cm
Material: Acrylic, Brass and Stainless Steel

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>706-000</td>
<td>Head-Neck Caliper</td>
</tr>
</tbody>
</table>

HEAD AND NECK PLASTIC CALIPER

The Head and Neck Plastic Caliper can be locked tight in any opening. Measurement is accomplished by using a separate scale to measure between the rounded tips.

Material: Acrylic, Brass and Stainless Steel

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>704-000</td>
<td>Head and Neck Plastic Caliper</td>
</tr>
</tbody>
</table>

TABLE TOP CALIPER

The 55cm Table Top Caliper measures from the table top to the surface of patient.

Material: Aluminum and Stainless Steel

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>705-660</td>
<td>Table Top Caliper</td>
<td>55 cm</td>
</tr>
</tbody>
</table>
The 55cm Under/Over Table Body Caliper measures 6.5" from the base plate to the curved blade. The blade is 15.5" long.

**Material:** Aluminum and Stainless Steel

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>705-700</td>
<td>Under/Over Table Body Caliper</td>
<td>55 cm</td>
</tr>
</tbody>
</table>

This lightweight precision Curved Blade Body Caliper has one scale and a non-removable slider which prevents errors caused by reading the wrong scale on a dual scale caliper. The slider can be locked at any position. The rigid leg that slips under the patient is 1/8" thick and 11" long.

**Material:** Aluminum and Stainless Steel

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>705-546</td>
<td>Curved Blade Body Caliper</td>
<td>45 cm</td>
</tr>
<tr>
<td>705-551</td>
<td>Curved Blade Body Caliper</td>
<td>55 cm</td>
</tr>
</tbody>
</table>

The lightweight Body Caliper with flat blade has one scale on a non-removable slider that prevents errors caused by reading the wrong scale on a dual scale caliper. The slider can be locked at any position. The rigid leg that slips under the patient is 1/8" thick and 11" long.

**Material:** Aluminum and Stainless Steel

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>705-545</td>
<td>Body Caliper with Flat Blade</td>
<td>45 cm</td>
</tr>
<tr>
<td>705-550</td>
<td>Body Caliper with Flat Blade</td>
<td>55 cm</td>
</tr>
</tbody>
</table>

This precision digital caliper has a scale on one side and a non-removable slider with a digital display. The caliper is 74.5cm or 29.3" long. The scale reads to 600mm or 24". The maximum reading of the digital display is 643mm/25.31". The slider can be locked at any position. The flat blade base that goes under the patient is 1/8" thick and 11" long. Includes a replacement battery.

**Slider Functions**
- ON / OFF, ABS / INC, ZERO, mm/in, SET, and HOLD.
- RS232 output for connection via cable to computer.

Cable and software are sold separately from the caliper.

**Material:** Aluminum and Stainless Steel

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>705-555</td>
<td>Digital Caliper with Curved Blade</td>
</tr>
<tr>
<td>705-556</td>
<td>Digital Caliper with Straight Blade</td>
</tr>
<tr>
<td>705-557</td>
<td>Digital Caliper with Level and Straight Blade</td>
</tr>
</tbody>
</table>
MEASURING DEVICES & BAROMETERS/THERMOMETERS

DIGITAL CALIPER

The main body is made of hardened steel and the reference scale is marked with easy to read lines and numerals in millimeter and inches. A thumb screw on top of the caliper locks the display unit in position anywhere along the scale. Flashing digits shows low battery. Uses 1.55 V button cell battery (p/n 357) - included.

The LCD Display mode functions include:
- “IN/MM” inches or millimeters measurement
- “H” for the HOLD function
- Power On/Off and Zero Setting

Specifications
The Caliper Offers: Outside, inside, depth measurement
Resolution: 0.01 mm / 0.0005"
Accuracy: ±0.02 mm / 0.001" (<100 mm): ±0.03 mm / 0.001" (>100-200 mm): ±0.04 mm / 0.0015" (>200-300 mm)

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>723-063</td>
<td>Digital Caliper</td>
<td>30.5 cm/12&quot;</td>
</tr>
</tbody>
</table>

DUAL SCALE VERNIER CALIPER

The Dual Scale Vernier Caliper is made of polished hardened steel with permanent black graduations and comparison scales. It has an automatic thumb lock, and can be used for inside, outside, and depth measurements. The upper bar scale is graduated in mm with vernier to 1/20 mm. The lower bar scale is graduated in inches with vernier to 0.001". Plastic case included.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>723-060</td>
<td>Dual Scale Vernier Caliper</td>
<td>15 cm/6&quot;</td>
</tr>
</tbody>
</table>

MICROMETERS

Specifications
Item 723-051
Scale: 1"
Graduations: 0.001"

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>723-051</td>
<td>Inch Economy Micrometer</td>
</tr>
</tbody>
</table>
MEASURING DEVICES & BAROMETERS/THERMOMETERS

RETRACTABLE TAPE MEASURE TRAY

This measuring device is mounted on a lexan (polycarbonate) tray which slides into the block tray slot. Attached to the center of the tray is a 3 meter tape measure. The tape measure has an adjustable stainless steel end. This can be positioned at any point along the tape, allowing the tape to be cut at the desired length to compensate for the source to tape measure distance.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>701-622</td>
<td>for Siemens, Digital Coding</td>
</tr>
<tr>
<td>701-631</td>
<td>for Varian Clinac, No Coding</td>
</tr>
<tr>
<td>701-632</td>
<td>for Varian II, No Coding, no MLC</td>
</tr>
<tr>
<td>701-633</td>
<td>for Varian III, Optical Coding with MLC</td>
</tr>
<tr>
<td>701-634</td>
<td>for Varian III - Wedge Slot with MLC</td>
</tr>
</tbody>
</table>

INCLINOMETER

The dial of the 10cm diameter Inclinometer swings 0 to 90 in either direction for fast accurate readings up to 1°. It is constructed of high impact plastic. The pointer and face are enclosed and protected with clear tough plastic. It can magnetically attach itself to the treatment machine or it can be used to set the angle of a film cassette.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>352-118</td>
<td>Inclinometer</td>
</tr>
</tbody>
</table>

PLUMB BOB - NICKEL-PLATED

The Plumb Bob can be used to align gantries, couches, laser lights and more. Gantry vertical alignment can be accomplished by marking the cross hair projection spot on the ceiling and floor, then dropping the Plumb Bob line from the ceiling spot to the floor spot. The machine alignment is vertical when the Plumb Bob line intersects with the ceiling and floor spots.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>352-120</td>
<td>Plumb Bob, Nickel-Plated</td>
</tr>
</tbody>
</table>

BULLS EYE CIRCULAR LEVEL

The all purpose Bulls Eye Circular Level will show level of any surface in all directions at once.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>352-104</td>
<td>Bulls Eye Circular Level</td>
</tr>
</tbody>
</table>
6CM LEVEL

The 6cm Level has a level vial mounted in an anodized hard drawn 3/8" (0.97 cm) hexagonal aluminum tubing. The bottom surface is perfectly flat for accurate surface leveling.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>352-108</td>
<td>6cm Level</td>
</tr>
</tbody>
</table>

POCKET LEVEL

The pen-size, 12cm Pocket Level comes in a hexagonal aluminum case. The bottom surface is perfectly flat for accurate surface leveling. A large easy to read glass vial is mounted in an anodized hexagonal tube with a black plastic clip.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>352-112</td>
<td>12cm Pocket Level with Clip</td>
</tr>
</tbody>
</table>

MAGNETIC GANTRY LEVEL

The 9" magnetic torpedo level is durable and accurate. Its bi-material body with rubber end caps protect finished work surfaces from damage. With a heavy-duty aluminum frame, open, top-read vial, and pipe groove for use on rounded surfaces, this tool is built for accuracy, ease of use and durability.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>352-233</td>
<td>Magnetic Gantry Level</td>
</tr>
</tbody>
</table>

HIGH PRECISION FOUR-SIDED GANTRY LEVEL

1/40 Degree Accuracy

The four-sided High Precision Gantry Level has a main vial that has graduated divisions of 0.005" per foot per division and is wrench adjustable. The level housing consists of a satin chrome brass tube with a friction fit closing cover to prevent breakage. The level frame is made of aluminum with a black anodized finish, accurately machined and finished on all four sides.

This level is used to check the gantry angle indicators at four locations: 0, 90, 180, and 270 degrees, with accuracy to 1/40 of a degree.

Specifications

Size: 6" square x 0.75" thick (15.29 x 1.91 cm)

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>352-200</td>
<td>High Precision Four-Sided Gantry Level</td>
</tr>
<tr>
<td>352-201</td>
<td>Vinyl Case for High Precision Gantry Level</td>
</tr>
</tbody>
</table>
MAGNETIC DIGITAL LEVEL

- Units of measure: degrees, percent, mm/m, in/ft in decimal, in/ft in fractional
- Small and handy
- Push button calibration
- Audible indicator for level 0° and plumb 90°
- Automatic digit inversion for overhead measurements
- Hold function to freeze measurement
- Strong holding magnetic edge allows hands free use on Ferrous metal surfaces
- Working range 4 x 90°
- ¼” - 20 thread for connection to tripod
- 6” Long (15.3 cm)

Specifications
Accuracy: ±0.1° for 0° and 90°, ±0.2° for 1° and 89°
Working Range: 0° to 90°
Power Supply: 3 ”AAA” alkaline batteries (included)
Working Temperature: 14° to 113°F (-10° to 45°C)

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>352-240</td>
<td>Magnetic Digital Level</td>
</tr>
</tbody>
</table>

LEVEL DIGITAL - DUAL/SINGLE AXIS PROTRACTOR WITH MAGNETIC BASE

- Radiation Therapy 2 axis table tilt
- High accuracy 0° ±20° (±0.05°), high resolution 0.01°
- Dual and Single axis with LCD back lighted angle display
- V Shape case to fit on pipe
- 5 Side Magnetic base
- Audible alarming at settable angle range, any angle measurement
- Rechargeable by connecting the USB cable to level and a computer’s USB port

The level is used in Radiation therapy on the 2 axis treatment table tilt, gantry rotation and collimator rotation. The level provides a digital readout of angle in the X and Y axis simultaneously. Gyro technique are used for measurements of any angle.

Includes: Digital Protractor and USB cable for charging battery.

Specifications
Accuracy:
0° ±20°: ± 0.05°
20° to 70°: ± 0.1°
90° ±20°: ± 0.05°
Measuring Range: Single axis: 360°, Dual axis: ±40°
Resolution: 0.01°
Response time: <0.4 second
Audio Sound: 60db @ 30cm
Zero Offset Drift Angle Per °C: 0.0058° (typical)
Operating Temperature: 0 to 50°C
Storage Temperature: -10 to 60°C
LCD with backlight
Supply Power: Rechargeable Li-Polymer 3.7V
Charger Port: 5V 500mA Mini type-B USB port
Power Consumption: Standby: 200uA, Operation: 20mA
Standby Battery Life: 4000 hours
Operating Battery Life: 40 hours
Dimensions: 2.8” x 2.8” x 0.9” (70 L x 70 W x 23 mm H)
Magnetic Base: Affix at 4 corner
Magnetic Force: N48
Weight: 4.2 oz (120 gram)

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>352-245</td>
<td>Level Digital, Dual/Single Axis Protractor w/Mag.Base</td>
</tr>
</tbody>
</table>
SELF LEVELING 5 BEAM DOT LASER LEVEL

710-851 Includes
- Multi-functional magnetic base
- 3 "AA" alkaline batteries
- Mounting strap
- Magnetic target
- Tinted glasses
- Instruction manual with warranty card
- Soft-sided carrying case

Specifications
- Number of Beams: 5
- Leveling Method: Self-Leveling (Pendulum)
- Laser Wavelength: 650nm ± 10nm (Red)
- Laser Classification: Class IIIa
- Maximum Power Output: <=5mW
- Accuracy: ± 1/8"/50ft. (± 2mm/10m)
- Interior Range: Up to 200ft. (60m) depending on light conditions
- Self-Leveling Range: ± 4.5°
- Power Supply: 3 "AA" alkaline batteries (included)
- Battery Life: Approximately 20 hours with alkaline batteries
- Dimensions: 3.15" x 3.858" x 4.0" (80 x 98 x 101.6mm)
- Weight: 1.1 lb (0.5 kg)
- Working Temperature: 14°F to 113°F (-10°C to +45°C)
- Center Screw Thread: 5/8"-11, 1/4"-20
- IP Protection Class: 55

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>710-851</td>
<td>Self-Leveling Laser Level with 5 Beam Dot Laser</td>
</tr>
</tbody>
</table>

This 5 Beam Laser Level projects a vertical beam straight up and straight down to easily transfer a point from the floor to the ceiling plus will project 3 horizontal beams, one from left, one from right and one straight on to give you a perfect 90° angle in a room. This level is self-leveling with accuracy of 1/8" at 50 feet, plus has locking compensators so the laser level won’t shake or be damaged while not in use.

TRACEABLE JUMBO DIGIT STOPWATCH

Largest stopwatch digits ever developed (0.5" or 1.3 cm high) provides ease in reading. Times to 24 hours. Unit features single-action, time-out, cumulative-split, and continuous timing. Timing resolutions is 1/100 of a second for the first 30 minutes, continues timing to 23 hours, 59 minutes, 59 seconds with a 1-second resolution.

Accuracy is 0.001%. To assure accuracy an individually serial-numbered Traceable Certificate is provided from our ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology). Water-resistant, O-ring sealed, and shock resistant ABS plastic case has non-slip rubber sides. Supplied with a detachable clip for clipping onto notebooks or clipboards. Also comes with Velcro™ for vertical mounting anywhere.

As a chronograph, the unit displays time of day in hours, minutes, seconds, AM/PM, date, and day of the week. It also has a time-of-day alarm. Supplied with Traceable Certificate, 2-year, “always-on” battery, lanyard, and clip.

Specifications
- Size: 3" x 2.5" x 7/8" (7.65 x 6.37 x 2.24 cm)
- Weight: 2.5 oz (70.9 g)

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>469-510</td>
<td>Traceable Jumbo-Digit Stopwatch</td>
</tr>
</tbody>
</table>
Thermometers are accurate to within N.I.S.T tolerances and are individually serialized.

<table>
<thead>
<tr>
<th>Item #</th>
<th>Thermometer</th>
<th>Length</th>
<th>Degrees</th>
<th>Accuracy</th>
<th>Graduations</th>
<th>Fill</th>
<th>Immersion</th>
</tr>
</thead>
<tbody>
<tr>
<td>470-207</td>
<td>Pocket Test</td>
<td>165 mm / 6.5&quot;</td>
<td>+30°F to 120°F</td>
<td>±2.0°F</td>
<td>1.0°F</td>
<td>Spirit</td>
<td>Total</td>
</tr>
<tr>
<td>470-052</td>
<td>Room</td>
<td>300 mm / 11.8&quot;</td>
<td>-35°C to 50°C</td>
<td>±1.0°C</td>
<td>1.0°C S/B 0.5°C</td>
<td>Enviro-Safe(R)</td>
<td>Total</td>
</tr>
<tr>
<td>470-133</td>
<td>Room</td>
<td>460 mm / 18&quot;</td>
<td>-1°C to 51°C</td>
<td>±0.3°C</td>
<td>0.1°C</td>
<td>Blue Organic</td>
<td>Total</td>
</tr>
</tbody>
</table>

Thermometer Armors

The thermometer armors are Nickel Plated Brass. They are open cases that have a screw cap with ring and small openings around bulb for circulation.

<table>
<thead>
<tr>
<th>Item</th>
<th>Thermometer Armor</th>
</tr>
</thead>
<tbody>
<tr>
<td>470-075</td>
<td>for 12&quot; (305 mm) Thermometer</td>
</tr>
<tr>
<td>470-077</td>
<td>for 15.9&quot; (405 mm) Thermometer</td>
</tr>
<tr>
<td>470-079</td>
<td>for 18&quot; (460 mm) Thermometer</td>
</tr>
</tbody>
</table>

Digital Lollipop™ Thermometers

All-weather compatible
 Operates without fail in any lab condition-outdoors too. Water-Resistant construction is ideal for wet labs, wash-down areas, and virtually all field applications. Engineered to be shockproof in drop tests up to 5 feet. Bright 1/4" (0.635 cm) high display is easy to view.

Traceable to NIST for accuracy
To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Supplied complete with stainless-steel probe, probe cover, and silver-oxide battery (runs continuously for one year).

Specifications

- Range: -58 to 572°F and -50 to 300°C
- Resolution: 0.1° from -20 to 200°; 1° outside this range
- Stem Diameter: 0.14"
- Stem Length: 8"
- Overall Size: length: 1 ½" W x 10 ¼"L x ½" D
- Weight: 7/8 oz (0.03 kg)

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>470-350</td>
<td>Thermometer, Digital Lollipop, Water-Resistant</td>
<td>±1°C</td>
</tr>
<tr>
<td>470-351</td>
<td>Thermometer, Digital Ultra Lollipop, Water-Resistant</td>
<td>±0.4°C</td>
</tr>
</tbody>
</table>
**DIGITAL THERMOMETER**

For those applications where only one temperature is read at a time, the Digital Thermometer is an industry standard. It features Min/Max memory, hold, auto shut-off. It is housed in a rugged polyethylene storage case with a sealed membrane and has a backlight for dark environments. This hand-held thermometer is a battery powered unit with a detachable immersion probe. Temperature readings appear in Centigrade or Fahrenheit with ±0.2 °C/0.3 °F or ± 0.5% of reading, which ever is greater. The LED display eliminates problems that can result from the misreading of stem-type thermometers.

Detachable immersion probes are time savers for x-ray departments that have several film processors. The use of multiple probes, each remaining in a specific tank, also eliminates the possible cross-contamination of chemicals. You can quickly and easily display the lowest and highest temperatures measured by the probe since the unit was turned-on. Our digital thermometer also enables you to “freeze” the current temperature reading on the display. The thermometer display can be easily illuminated, making it perfect for use in the darkroom. You can also program the Digital Thermometer for auto or manual shut-off.

The Digital Thermometer is a shock resistant, solid-state unit that needs no adjustments to maintain accuracy. Calibration is traceable to the National Institute of Standards and Technology (NIST). The unit includes a high-impact plastic case with a recess for storing one probe, and is equipped with a power jack that will accept the optional AC power supply. The jack should be used when the unit will be in use for extended periods of time (in order to prevent battery failure).

**Specifications**

- Front-panel adjustable offset allows setting of temperature, in-house calibration, or particular sensor for increased accuracy
- HOLD button freezes display to capture current reading
- Range: -58°F to +2372°F (-50° to +1300°C)
- Accuracy: ±1°C + 0.75% between 0° and 500°C; ±1°C +1% between 500° and 750°C; ±1°C + 2% between 750° and 1000°C; ±3°C + 4% between 1000° and 1200°C; ±2°C at -20°; ±3°C at -40°; ±4°C at -50°
- Resolution: 0.1°F/°C
- Dimensions: 2.75” x 5.5” x 1.25” (69 x 138 x 31mm)
- Weight: 6 oz. (0.2kg)
- Probe dimensions: 1/8” dia. x 5” overall length (0.32 x 12.7 cm)
- Cable Length: 40” (101.6 cm)
- Stainless Steel probe is waterproof

**Includes**

- Type-K probe
- Bench stand
- 9V Battery with 150 to 200 hours continuous-use life span
- Carrying case

**TRACEABLE WORKHORSE THERMOMETER WITH TYPE-K PROBE**

**Specifications**

- Front-panel adjustable offset allows setting of temperature, in-house calibration, or particular sensor for increased accuracy
- HOLD button freezes display to capture current reading
- Range: -40° to 302°F / -40° to 150°C
- Accuracy: ±0.3°F/0.2°C or ±0.5% of Reading which ever is greater
- Resolution: 0.1°F/°C
- Dimensions: 2.75” x 5.5” x 1.25” (69 x 138 x 31mm)
- Weight: 5oz (without probe)
- Warranty: 5 year instrument warranty
- Certifications: CE, Rohs, NIST, WEEE

**Includes**

- Type-K probe
- Bench stand
- 9V Battery with 150 to 200 hours continuous-use life span
- Carrying case

High accuracy meter.

Thermometer offers sharp readout in dim or bright light and covers a wide temperature range. Compatible with all Type-K probes.

**Item 470-320 Digital Thermometer includes**

- Thermometer
- General purpose probe
- Carry case

**Specifications**

- Instrument
  - Display: Four-digit LED, plus decimal point
  - Auto Shut-Off: After 5 minutes of non-use (can be disabled)
  - Switchable °F/°C
  - Temperature Range: -40° to 302°F / -40° to 150°C
  - Temperature Accuracy: ±0.3°F/0.2°C or ±0.5% of Reading which ever is greater
  - Resolution: 0.1°F/°C
  - Dimensions: 2.75” x 5.5” x 1.25” (69 x 138 x 31mm)
  - Weight: 5oz (without probe)
  - Warranty: 5 year instrument warranty

**Item 470-315 Traceable Workhorse Thermometer w/Type-K Probe**

**Specifications**

- High accuracy meter.
- Thermometer offers sharp readout in dim or bright light and covers a wide temperature range. Compatible with all Type-K probes.
- Includes
  - Type-K probe
  - Bench stand
  - 9V Battery with 150 to 200 hours continuous-use life span
  - Carrying case
TRACEABLE® THERMOMETER/BAROMETER PEN

Compact design features an electronic capacitance polymer film sensor not affected by condensation. Tough ABS plastic housing and water-resistant design with O-ring seal and membrane keypad assure a long life in severe lab or harsh plant environments. HOLD button freezes the reading on the display. High contrast LCD digits are easy to read. At the press of a button, unit recalls minimum/maximum readings.

User selectable dual display shows humidity/temperature, humidity/dew point, barometer/temperature, or barometer/humidity.

To assure accuracy an individually serial-numbered Traceable® Certificate is provided from our ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology). Supplied with a Traceable® Certificate and batteries.

Specifications

- Temperature range: 32.0 -122.0°F (0.0 - 50.0°C), resolution of 0.1°; accuracy of ±1°C.
- Relative humidity range: 10.0 - 95.0%, resolution of 0.1% ; accuracy of ±3% RH mid-range to ±4% RH elsewhere.
- Barometer measures pressure in 3 different units:
  - Inches of mercury (inHg): 0.29 to 32.48, resolution of 0.01
  - Millibars (hPa): 10.0 to 1100, resolution of 0.1 and 1 hPa
  - Millimeters of mercury (mmHg): 7.5 to 825.0, resolution of 0.1 mmHg.
- Accuracy: ±4 hPa between 550 to 1100 hPa.
- Dew point range: 13.5 to 120.1°F (-25.3 to 48.9°C), resolution of 0.1°.
- Power: 4 AAA batteries
- LCD digits: 3/8" H (0.97 cm)
- Size: 1.5" diameter x 8" L (3.82 x 20.39 cm)
- Weight: 5 oz (142 g)

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>469-007</td>
<td>Traceable Thermometer/Barometer Pen</td>
</tr>
</tbody>
</table>

PRECISION ANEROID BAROMETER

The Precision Aneroid Barometer features a 5-inch open face, stainless steel case, temperature-compensated movement, and a 360° dial with dual-scale ranging from 920 to 1080 mb and 700 to 819 mmHg. Linearity is ±1.3 mb between 980 and 1030 hPa. Screw adjustment compensates for altitude and ensures reading accuracy.

Specifications

- Range: 920 to 1080 mb and 700 to 819 mmHg
- Resolution: 1 mb / 0.75 mmHg
- Accuracy: ±1.3 mb
- Altitude: Usable up to 300 meters (1,000 feet) for absolute pressure reading, up to 1000 meters (3280 feet) with compensation
- Dimensions: 5.2" x 5.27" x 1.5" (133 x 133 x 37 mm)
- Weight: 15.9 oz (451 g)

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>469-131</td>
<td>Precision Aneroid Barometer</td>
</tr>
</tbody>
</table>
TRACEABLE® HANDHELD DIGITAL BAROMETER

The Handheld Digital Barometer measures altitude, temperature, and barometric pressure. It also has a stopwatch/time-of-day clock and graphically displays the barometric pressure trend. A Traceable Certificate is provided to indicate instrument traceability to NIST (National Institute of Standards and Technology).

BAROMETER

Measures barometric pressure from 15.90 to 31.01 in inches of mercury (inHg) with a resolution of 0.03 inHg and from 400 to 1070 millibars (mbar) with a resolution of 1 mbar. Accuracy is ± 0.1477 inHg (± 5 mbar). Display may be switched to inHg or mbar.

Barometric pressure trend shows present readings and previous 2, 4, 6, 8, 10, and 12 hours in bar-chart format. Barometric pressure reading is updated every 15 minutes.

PRECISION DIGITAL BAROMETER / THERMOMETER

Item 469-210 features a variety of pressure scales to enable the operator to display the atmospheric pressure in units of mmHg or mbar, as the most widely used units in radiation therapy. It also displays ambient temperature in °C with 0.1 degree resolution. A wall adapter is also included with this unit. It is enclosed in a sturdy metal enclosure for bench top application.

Specifications

- Display: 16 x 2 LCD, 0.2" high segments
- Selectable units: mmHg or mbar
- Range, Resolution: 600 to 790 mmHg, 0.1 mmHg, 800 to 1050 mbar, 0.1 mbar, 0 - 70° C, 0.1° C
- Accuracy: ± 0.5 mbar, includes non-linearity, hysteresis, and repeatability; ± 0.2° C, includes non-linearity
- Altitude Range: infinite
- Operating Range: -9 to 49° C
- Power: Two 9.0 Volt alkaline cells (469-200 only), 9 Volt wall adapter (Included with 469-210)
- Battery Life: 100 hours of use (469-200 only)

Dimensions

- Item 469-200: 8" L x 4.6" W x 2.1" H (20.3 x 11.7 x 5.3 cm)
- Item 469-210: 3.6" L x 4.5" W x 2.0" H (9.1 x 11.4 x 5.1 cm)

Weight

- Item 469-200: 1.1 lb (0.5 kg)
- Item 469-210: 1.1 lb (0.5 kg)
The 469-150 Digital Barometer is the perfect unit for plants, labs, and all other environments where there is a need to monitor conditions of environmental air parameters. A four-line LCD continuously and simultaneously shows barometric pressure, temperature, relative humidity, barometric pressure trend and time-of-day. Minimum/Maximum readings for barometric pressure, temperature and relative humidity are stored every hour for the last 24 hours and are available for recall at the touch of a button. HI/LO alarms can be set for barometric pressure, temperature, and relative humidity.

- A four-line LCD continuously and simultaneously shows barometric pressure, temperature, relative humidity, barometric pressure trend and time-of-day.
- Minimum/Maximum readings for barometric pressure, temperature and relative humidity are stored every hour for the last 24 hours and are available for recall at the touch of a button.
- Computer output allows unit to be connected to a computer using the accessory Computer Data Acquisition System to permanently capture readings.

### Measuring Ranges

Barometric pressure range from 500 to 1030 millibars (mbar) with a resolution of 1 mbar. Accuracy is ±4 mbar. Barometric pressure trend shows in bar-chart format the current and past 1-, 3-, 6-, 12- and 24-hour readings. Switching permits viewing in millibars (mbar), inches of mercury (inHg), or hectopascals (hPa). Altitude compensation is −100 to 2500 meters.

Temperature range is 32 to 131°F (0 to 55°C). Resolution is 0.1° and accuracy is ±0.4°C. Relative humidity range is 5 to 95%. Resolution is 1% RH and accuracy is ±3% RH between 5 to 75%, otherwise ±5% RH.

Computer output allows unit to be connected to a computer using the accessory Computer Data Acquisition System to permanently capture readings.

### Tracable to NIST for Accuracy

An individually-numbered Traceable® Certificate is provided which assures accuracy from an ISO/IEC 17025:2005 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Supplied With Traceable® Certificate, wall mount, flip open stand and batteries.

### Specifications

**Item 469-150**

- **Temperature Range:** 32 to 131°F (0 to 55°C)
- **Temperature Resolution:** 0.1°F
- **Temperature Accuracy:** ±0.8°F (±0.4°C)
- **Humidity Range:** 5 to 95% RH
- **Humidity Resolution:** 1% RH
- **Humidity Accuracy:** ±3% RH (5 to 75% RH), otherwise ±5% RH
- **Pressure Type:** Absolute
- **Barometric Press. Range:** 500 - 1030 mbar (14.77 - 30.41 inHg)
- **Barometric Press. Resolution:** 1 mbar ( 0.01 inHg)
- **Barometric Press. Accuracy:** ±4 mbar (±0.12 inHg)
- **Altitude Compensation:** -100 to 2500 meters
- **Temp MIN/MAX Memory:** Yes
- **Data Logging:** Yes
- **Exportable Data:** Yes
- **Size:** 4” x 3” x 1” (10.16 x 7.62 x 2.54 cm)
- **Weight:** 7 oz

### Item # Description

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>469-150</td>
<td>Traceable® Digital Barometer</td>
</tr>
<tr>
<td>469-152</td>
<td>Computer Data Acquisition System</td>
</tr>
</tbody>
</table>
DPI800 PRESSURE INDICATOR

All-Inclusive Accuracy
Can be relied on from one year to the next, even in tough environmental conditions

Advanced Features
Hold, maximum/minimum/average, alarm, and tare facilitate troubleshooting

Each unit is supplied with batteries, calibration certificate and user guide.

Accessories
Item 469-255 is a soft fabric carrying case with accessory pocket

Specifications

Display: Graphic LCD with backlight. Resolution 99999
Units: 25 selectable including mmHg
Pressure Range: 30psi (2 bar)
Range: Ranges from 10 in H2O to 10,000 psi (25 mbar to 700 bar)
Accuracy: 0.075% FS accuracy
Pressure connection: 1/8 NPT female
Altitude range: Infinite
Operating Temperature: 14°F to 122°F (-10°C to 50°C)
Storage Temperature: -4°F to 158°F (-20°C to 70°C)
Humidity: 0% to 90% non-condensing, Def Stan 66-31, 8.6 Cat III
Power: 3 AA alkaline
Battery life: >50 hours measure, >10 hours 24V source
Dimensions: 3.3” x 7.1” x 2 “ (8.5 x 18.0 x 5.0 cm)
Weight: 18 oz (500 g)

Safety
Shock and Vibration: BS EN61010:2001, Def Stan 66-31, 8.4 Cat III

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>469-250</td>
<td>DPI800 Pressure Indicator</td>
</tr>
<tr>
<td>469-255</td>
<td>DPI800 Carrying Case</td>
</tr>
</tbody>
</table>

- Includes Calibration Certificate
- CE marked
- Large backlit display, menu driven interface
- Compact, simple to use, easy to carry
- Convenient, one-handed operation
- Secure grip, impact resistant, elastomer protected
HANDHELD DIGITAL BAROMETER-ALTIMETER

This instrument measures atmospheric pressure very accurately, to within 0.015” Hg. The 316 stainless steel pressure sensor has extremely low sensitivity to shock, vibration, acceleration, and changes in orientation or temperature, yet features high sensitivity to pressure variations. The device is temperature compensated over its operating temperature range. Each unit comes with a certificate of calibration traceable to NIST.

Specifications

<table>
<thead>
<tr>
<th>Units</th>
<th>Full Scale</th>
<th>Accuracy</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>mm Hg</td>
<td>1000</td>
<td>± .015</td>
<td>.1</td>
</tr>
<tr>
<td>in Hg</td>
<td>39.37</td>
<td>± .01</td>
<td>.01</td>
</tr>
<tr>
<td>mb</td>
<td>1333</td>
<td>± 2</td>
<td>.1</td>
</tr>
<tr>
<td>kPa</td>
<td>133</td>
<td>± .02</td>
<td>.01</td>
</tr>
<tr>
<td>psi</td>
<td>19.33</td>
<td>± .01</td>
<td>.001</td>
</tr>
<tr>
<td>Altitude</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>feet</td>
<td>36,000</td>
<td>± 9</td>
<td>1.0</td>
</tr>
<tr>
<td>meters</td>
<td>10,973</td>
<td>± 3</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Approvals: CE compliant
Display: 5 significant digit LCD (0.25” high) 2 line x 16 alphanumeric characters
NIST traceability: NIST certificate supplied
Power: 4 AA alkaline batteries (included) with user enabled automatic shut-off
Temperature:
Storage: -40° to +140° F (-40° to +60° C)
Operating: 23° to +122° F (-5° to +50° C)
Process connections: 1.8” female NPT, 316SS
Enclosure: 14 ounce (6.5” x 3.6” x 2.25”) ABS plastic case
Media compatibility: Isolated AI sensor for fluids compatible with 316SS
Pressure limits: 77 PSIA (4,000 mm Hg Abs)
Tare: Nulls applied pressure to allow measurement of vacuum, gauge pressure, or change in pressure or altitude from a reference point
Min/Max Capture: Capture speed is equal to the selected damping rate
Damping rates: User selectable from 0.1 to 25 seconds
Backlight: Green, changes to Red for over pressure
Engineering unit selection: mm Hg, PSI, in Hg, mbar, bar, kPa, Torr, feet, meters
Altitude: Displayed in feet or meters. Can be set by user based on map or trig marker information or standard altitude uses U.S. Standard Atmosphere of 1962 data
Contrast Adjustment: Adjusts display for best viewing
Accuracy: (Full Scale = 38.674 PSIA or 2,000 mm Hg Abs)
± 0.015% F.S. from 0-1,000 mm HgA  
± 0.025% F.S. 0-1,000 - 2,000 mm HgA
Field recalibration: Supported through firmware feature
Weight / Shipping: 1.6 lb / 3 lb

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>469-455</td>
<td>Handheld Digital Barometer - Altimeter</td>
</tr>
</tbody>
</table>
The DPI 705 is a portable digital barometer possessing a combination of handheld calculator size, digital display, high accuracy and wide choice of units, making it ideal as a portable absolute pressure reference. It combines tough and rugged design with accurate and reliable pressure measurement. New materials and technical innovations from over fifteen years experience with portable pressure testers has resulted in this advanced new product. The DPI 705 pressure indicator uses a micro-machined silicon transducer to produce a pressure reading in units of pressure measurement.

Compact, robust and lightweight with a rugged, ABS molded case, the DPI 705 is designed for single handed operation and provides many essential features required for routine maintenance and system troubleshooting. The unit has an integral folding stand.

The DPI 705 features a variety of pressure scales to enable the operator to display the atmospheric pressure in a variety of units, including inHg, mmHg, mb, as the most widely used units in radiation therapy. It also displays ambient temperature in °C and °F with one degree resolution.

Calibration Standards: Instruments are calibrated against precision pressure calibration equipment, which is traceable to the international standards.

Specifications
- **Selectable Units**: inHg, mmHg, mHg, mbar, bar, Pa, hPa, KPa, MPa, psi, inH2O (4°C, 20°C and 60°F), ftH2O (4°C, 20°C and 60°F), mH2O, Kgf/cm2 and an optional user defined scale
- **Operating Range**: 0 to 1551 mmHg
- **Ambient Temperature**: °F and °C reading of local condition ±3°F (±1.5°C)
- **Accuracy**: ±0.1% (± 1.55 mmHg) FS non-linearity, hysteresis and repeatability
- **Display**: 5-digit Clear high resolution LCD, 12.7 mm high, with additional unit legends
- **Over Range**: Safe to 2 x FS. Display flashes at 110% FS
- **Resolution**: 0 to 1551 mmHg, 0.1 mmHg
  0 to 2068 mb, 0.1 mb
  0 to 61 inHg, 0.001 inHg
- **Temperature Range**: Operating: 15°F to 122°F (-10°C to 50°C)
  Storage: -5°F to 140°F (-20°C to 60°C)
- **Power**: Three 1.5 V alkaline AA batteries
- **Battery Life**: 300 hours of use, selectable Auto-Off powers down after 10 minutes of inactivity
- **Battery Low Indicator**: Display symbol
- **Readout**: Max/Min-captures both maximum and minimum readings
- **Altitude Range**: Infinite
- **Pressure Connection**: 6 mm O.D. and 4 mm I.D. hose, G1/8 or 1/8" NPT female thread
- **Reading Sensor**: Micro-machined silicon transducer
- **Includes**: User guide and calibration certificate
- **Safety Conformance**: EN61010, EN50081-1, EN50082-2, CE marked
- **Dimensions**: 7.5" x 3.5" x 1.4" (19 x 8.9 x 3.5 cm)
- **Weight**: 1.1 lb (0.5 kg)

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>469-100</td>
<td>DPI 705 Handheld Digital Barometer</td>
</tr>
<tr>
<td>469-103</td>
<td>DPI 705 Carrying Case</td>
</tr>
</tbody>
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INNOVACELLI® PRECISION BAROMETER

The new Innovacelli Precision Barometer (pronounced inno-vachelly) is the latest development in true pressure, pure physics barometers. Developed especially for hospitals and laboratories, these barometers contain no hazardous mercury and are just as accurate as a fine mercury barometer. They may be even more accurate as they require no offsets or calculations that can lead to errors. Also, the Innovacelli scale is 4 times larger than a mercury barometer, allowing for a more precise reading of the actual air pressure. Eight vacuum chambers sense the smallest pressure changes and translate those changes to a liquid readout scale. The dual scale has a 70mm/950 hPa range centered on your altitude. For example, sea level locations have a scale reading from 720 - 790 mm and 960 - 1055 hPa. The entire barometer is surrounded by a protective clear acrylic frame.

Specifications

- **Accuracy:** ±1 mm
- **Height:** 31" (79 cm)
- **Diameter:** 4.25" (10.8 cm)
- **Distance from wall in mounting bracket:** 6.5" (16.5 cm)
- **Scale Range:** 70mm/95hPa
- **Weight:** 9 lb (4.1 kg)

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<td>469-300</td>
<td>Innovacelli Precision Barometer</td>
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