

## COMPARATOR, STANDARD 10" EFFECTIVE GAUGE LENGTH



C1311

C1311D

These Comparators are designed to measure standard 10" effective gauge length changes of hardened cement paste, mortar and concrete prismatic specimens. The indicator is mounted on a sturdy upright support attached to solid triangular base. The **C1311** features a sensitive dial indicator with a continuous dial with 0-10 reading and a total range of .400" and .0001" (.0025mm) divisions. The **C1311D** features a an easy to read digital indicator which measures inches and metric can be changed at the push of a button; .500" (12.6mm) range and .0001" (.0025mm) divisions. Also included with the comparators are stationary and movable anvils designed to fit the gauge studs that are cast on test specimens and an invar reference bar.

MODELS	DESCRIPTION	STANDARDS
C1311	COMPARATOR	ASTM C-151, C-157, C-227, C-311, C-341, C-342, C-452, C-490, C-596 / AASHTO M-210, T-107, T-160
C1311D	COMPARATOR, DIGITAL INDICATOR	

## CEMENT BLEEDING APPARATUS



Used to determine bleeding rate and bleeding capacity of cement paste and mortar by direct and continuous procedure. Includes noncorrosive metal container for paste or mortar, collecting ring, support stand and necessary glassware. Rubber-covered double V-jaw burette clamp holds stopcock in position; single rubber-covered jaw clamp supports the burette and funnel assembly.

MODELS	DESCRIPTION	STANDARDS
C1551	CEMENT BLEEDING APPARATUS	ASTM C-243

## CONCRETE COMPRESSION MACHINE

Hogentogler introduces a new line of fully automatic, one-touch design Concrete Compression Testing Machines. Each four column load frame is designed and individually tested for maximum stability and alignment to avoid tension failure during testing. This process also ensures correct center loading. The precise spherical upper platen is large in diameter for optimum testing results. The unit is furnished with standard platens for 3" x 6", 4" x 8" and 6" x 12" cylinders. The heavy duty motorized hydraulic power pack with rapid approach provides accurate pressure loads while the automatic over extension protection increases the lifetime of the o-rings. A variety of digital readouts are available including simple display panels to high end computer controlled storage devices. Built in stand and safety guards creates a safe and ergonomically correct atmosphere for the operator.



C4626-C4628



C4630-C4646

MODELS	DESCRIPTION	LOAD	STANDARDS
C4626	COMPRESSION MACHINE, W/ PEAK HOLD	300,000 LB	ASTM C-39, C-109, C-78, C-293, C-140, C-496, E-4, E-447 BS-1610 BS-1881
C4627	COMPRESSION MACHINE, W/ PEAK HOLD & MEMORY		
C4628	COMPRESSION MACHINE		
C4630	COMPRESSION MACHINE, W/ PEAK HOLD	400,000 LB	
C4631	COMPRESSION MACHINE, W/ PEAK HOLD & MEMORY		
C4632	COMPRESSION MACHINE		
C4636	COMPRESSION MACHINE, W/ PEAK HOLD	500,000 LB	
C4637	COMPRESSION MACHINE, W/ PEAK HOLD & MEMORY		
C4638	COMPRESSION MACHINE		
C4644	COMPRESSION MACHINE, W/ PEAK HOLD	600,000 LB	
C4645	COMPRESSION MACHINE, W/ PEAK HOLD & MEMORY		
C4646	COMPRESSION MACHINE		

## BLAINE FINENESS DEVICE



The **C2301** Blaine Fineness Device determines fineness of Portland cement in terms of specific surface expressed as total area in square centimeters per gram of cement. The device consists of a calibrated U-tube manometer, ground glass joint, stainless steel test cell and plunger, rubber aspirator bulb and perforated disc. Includes 8 oz. bottle of red manometer fluid, filter paper, wood block for holding test cell during filling and funnel.

MODELS	DESCRIPTION	STANDARDS
<b>C2301</b>	BLAINE FINENESS DEVICE	ASTM C-204 / AASHTO T-153

ACCESSORIES	DESCRIPTION
<b>C2302</b>	CELL AND PLUNGER
<b>C2304</b>	EXTRA FILTERS, 500/PK
<b>C2305</b>	STANDARD SAMPLE, 20 VIALS
<b>C2309</b>	EXTRA MANOMETER TUBE

## WAGNER TURBIDIMETER

For determining the fineness of Portland Cement by the turbidimeter. The turbidimeter is an apparatus used for measuring the light that passes through a suspension of pulverized material dispersed in a suitable medium. A Microammeter measures current generated in the cell; indicated reading is measure of turbidity of the suspension. Includes photoelectric cell and light source in metal cabinet, timing burette and stand, wet sieving assembly including gauge and spray nozzle, microammeter, 3 calibrated flasks, 4 test tubes, stirring device and instruction book. Available in 110V/50-60 Hz (**C2401**) or 220V/50Hz (**C2402**). Please specify type needed.



MODELS	DESCRIPTION	STANDARDS
<b>C2401</b>	WAGNER TURBIDIMETER, 110V / 60 Hz	ASTM C-115 / AASHTO T-98
<b>C2402</b>	WAGNER TURBIDIMETER, 220V / 50 Hz	

## FLOW TABLES

These flow tables have many different applications which include compression strength and air content tests of cement mortar; flow tests of hydraulic cement mortars; consistency test of magnesium oxychloride cements; flexural strength test for bond strength of mortar to masonry units. The flow table is available in manual (**C2601**), motorized (**C2611** & **C2612**), and motorized with counter (**C2615** & **C2616**). All models have a table top which is cast bronze and 10" in diameter. The tables have a cam and shaft set for a 1/2" drop. Manual type has a hand wheel while the motorized types are available in 110V/60Hz or 220V/50Hz (please specify model needed) has a speed of about 100 rpm. The motorized flow tables with automatic counter stops the motor after a preset number of drops. The table is furnished with a cast bronze flow mold, but does not include the flow caliper.



**C2601**

**C2615**

MODELS	DESCRIPTION	STANDARDS
<b>C2601</b>	FLOW TABLE, MANUAL	ASTM C-87, C-109, C-110, C-185, C-230, C-243, C-348, C-598 / AASHTO T-71, T-106, T-137, M-152
<b>C2611</b>	FLOW TABLE, 110V / 60 Hz	
<b>C2612</b>	FLOW TABLE, 220V / 50 Hz	
<b>C2615</b>	FLOW TABLE W/ COUNTER, 110V / 60 Hz	
<b>C2616</b>	FLOW TABLE W/ COUNTER, 220V / 50 Hz	

ACCESSORIES	DESCRIPTION
<b>C2618</b>	EXTRA CONE MOLD
<b>C2621</b>	CALIPER FOR PERCENT FLOW