

## 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                        |             |   |