

Precast Concrete Testing Equipment



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Supplying Testing & Monitoring Instruments Since 1946

For over seventy years, Hoskin Scientific has been a supplier of testing and monitoring instrumentation to the Canadian market. With offices in Vancouver, Oakville, and Montréal our customers are able to receive local sales and technical support in our three major departments.

Our Materials Testing Department offers testing equipment for soil, asphalt, petroleum, concrete and cement. Our qualified sales associates focus on providing a sophisticated range of testing equipment complying with the various test methods, ensuring that accurate and consistent test results are always obtained.

Our Environmental Department provides solutions for monitoring and sampling biological and chemical parameters in the environment. Our team of environmental sales representatives and diverse product range guarantee that you will find the right products for your application. Specific areas include: water quality, water quantity, soil moisture, plant science, weather stations, indoor air quality, aquatic sampling, and oceanography.

Our Instrumentation Department focuses on a wide range of products including optical camera systems, transducers and transmitters, data acquisitions and loggers, signal conditioners and indicators, automation sensors and measurement systems. We have technical sales associates that are trained in various areas and willing to help you with your instrumentation requirements.

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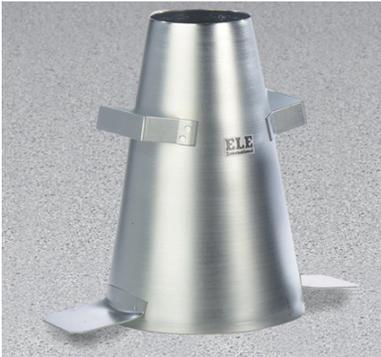
CA-0500 Concrete Pressure Meter



The lid of the concrete pressure meter features a smooth sloped top so water and concrete wipes right off. By eliminating the cavities in the lid that trap and hold concrete, maintenance and repair problems are greatly reduced. The meter's handles not only make it easier to carry, they also help to eliminate the maintenance problems caused by carrying the meter by its gauge. Additionally, they make it more convenient to use the meter's bucket as a 1/4 cu. ft. unit weight measure. Bucket's base is machined flat so meter sits firm and level when conducting a test. Standards, ASTM C-231 | AASHTO T-152.

Kit includes: Meter, plastic carrying case, tamping rod, strike-off bar, syringe, calibration equipment and operating instructions.

Concrete Testing Accessories



Slump Cones

Slump Cones are made of a heavy-duty, spun steel design. Available in English and Metric dimensioned models. Plated for rust resistance and long life.

ASTM C-143, C-192; AASHTO T-23, T-119, T-126.

Tamping Rods



Tamping Rods are used with the Slump Cone, molds and other devices to eliminate air voids in fresh concrete.

ASTM C-31, C-124, C-138, C-143, C-157, C-192, C-232, C-234; AASHTO T-23, T-119, T-120, T-121, T-126, T-158, T-159, T-160.

Scoops



Hoskin Scientific carries a wide variety of square and round nose aluminum scoops.

- Square Nose
8 oz, 16 oz, and 32 oz
- Round Nose
5 oz, 12 oz, 24 oz, and 38.5 oz



Lollipop Min/Max Digital Thermometer

- Measurement Range: -40°F to 311°F (-40°C to 155°C)
- °F/°C selectable
- Min/Max memory stores lowest/highest readings
- Automatic calibration feature
- Model 11040 - Water Resistant
- Model 11050 - IP65 Waterproof



Concrete Test Bio-Cylinder™ Molds

- Bio-degradable • Recyclable • Virtually unlimited shelf life
- Meet A.S.T.M. specifications C39,C192 and C470
- Mold is non-absorptive
- Molded single unit for consistent dimensional uniformity
- Smooth molded plastic allows quick, easy stripping
- Weather resistant, eliminating job-site storage problems
- Lids and stripping tools available
- Available in 2", 3", 4" and 6" diameter sizes



Single-Use, Plastic Cylinder Mold

- Complete with integral, domed plastic lid
- Meet A.S.T.M. specifications C39,C192 and C470
- Mold is non-absorptive
- Molded single unit for consistent dimensional uniformity
- Smooth molded plastic allows quick, easy stripping
- Available in 3", 4" and 6" diameter sizes



4" Reusable Bio-Cylinder System

The Reusable Bio-cylinder System (RBS) is a 1/4" heavy wall cylinder mold, with an engineered Cylinder Saver Liner (CSL), and a Cylinder Saver Insert (CSI) which minimizes friction, allowing specimen to easily separate from mold.

- Conforms to ASTM C-470 specifications
- Replacement liners, inserts, and lids are available separately

UX120-014M HOBO 4-Channel Thermocouple Data Logger



HOBO 4-Channel Thermocouple data logger records temperature using up to four J, K, T, E, R, S, B, or N type thermocouple sensors (sold separately).

The logger also has an internal 10K thermistor for cold-junction compensation of the thermocouple output.

UX100-014M HOBO Single Channel Thermocouple Data Logger



Records temperature with thermocouple sensors (sold separately). Designed for a broad range of monitoring applications – from industrial process monitoring to concrete temperature monitoring.

Protective Enclosure



Onset's NEMA 4X weather-resistant enclosure for mounting in the HOB0 UX100-014M and UX120-014M data loggers in wet, dusty, or condensing environments. It is intended for short deployments where additional protection is required.

Bulk Thermocouple Wire



- Thermocouple Wire Types T, J, K
- Various outer jacket materials available
- Available in 100' and 1000' lengths

Connectors & Probes



- T, J, K Types
- Penetraton probes
- Miniature thermocouple connectors

intelliRock® III Concrete Strength & Temperature Profiling System



intelliRock III is the leading solution for monitoring concrete strength and temperature. This concrete decision-making system allows you to report and review critical data from anywhere via cloud-based software. It is also the only system available to retain secure, uninterrupted, and unalterable data.

intelliRock III offers all of the tools you need to complete projects within budget and on schedule, including multiple mix design access, various alerts, and an infrared camera for temperature measurement and heat profiling.

Automatic Compression Machines

PILOT Automatic Compression Concrete Testers



The new automatic testers combine high productivity with Energy Saving.

ASTM C109 | ASTM C349 | ASTM C348

The test cycle with closed loop digital feedback is automatically performed by simply pressing the start button. The load-time graph and the actual load rate are displayed in real time during the test. Correct test execution according to the selected Standard, is continuously and automatically controlled.

Capping Pads and Retainers



Unbonded capping systems are available as an alternative method for use in compression testing of cylindrical concrete specimens. The system is faster, cleaner and odorless as opposed to bonded capping methods.

- Time saving and odorless
- Available in a variety of sizes

ASTM C-1231 | AASHTO T-22

Capping Compound

Meets the following standards; ASTM C617, AASHTO T231, EN 12390-3



Hi-Cap™ Capping compound is used during sample preparation for compressive strength testing by creating a totally flat parallel surface and adhering in its liquid-viscous state to cover all imperfections or rough surfaces. Once returned to a solid state its compressive strength increases. In about 2 hours a 50 mm cube breaks at 8,000 psi to 9,000 psi (55.16 to 62.05 MPa).



Concrete Specimen End Grinder

This is the ultimate concrete specimen end grinding machine. This machine grinds three specimen end surfaces at one time automatically. It is a successful and reliable machine to reduce manpower, work time, and space to 1/3.

The operation panel on the side surface has simple allocation of buttons and provides easy operation to anyone.

It is also equipped with specimen feeding speed adjustment function and timer function. Test specimens typically require less than 60 seconds to finish. Continuous operator supervision is not required.

- **Save time** - Test specimens typically require less than 60 seconds to finish. Continuous operator supervision is not required.
- **Save materials** - No capping material is required to finish the specimen end. Grinding disks typically finish 3,000 - 5,000 pieces before a replacement is necessary.
- **Portability and size** - Because of its small footprint, space is kept to a minimum. The end grinder is conveniently mounted on lockable castors providing easy mobility.
- Diamond wheel grinding with water
- Automatic feeding, automatic stop by timer
- Power supply: 110 Volts, 60Hz, single phase
- Standards: ANSI/ASTM C39



Profometer® 600 Advanced Cover Meter

The all-in-one solution for rebar assessment and corrosion analysis.

Advanced cover meter based on the new generation Profometer touchscreen allowing full data review directly on the instrument. Lightweight IP 67 universal probe with detachable scan cart and spot functionality for measurements where space is limited.

The Profometer 600 is the ideal instrument for contractors who need to avoid damage to the reinforcement steel when drilling, coring or cutting. It additionally covers the needs of inspection engineers to locate rebar and to assess concrete cover values and rebar sizes for spot checks.

Profoscope Rebar Detector

Profoscope has a unique real-time rebar-visualization, allowing the contractor to actually "see" the location of the rebar beneath the concrete surface. This is coupled with rebar-proximity indicators and optical and acoustical locating aids.

The **Profoscope+** has all the features of the classic Profoscope. In addition, the instrument can record measurement data, manually or automatically. This increases testing efficiency on the construction site significantly. The included software tool allows postprocessing or exporting of the collected data.



Hoskin Scientific Limited has been supplying testing and monitoring instruments since 1946. Although our range is broad, we focus on three major markets including:

Geotechnical & Materials Testing
Environmental Monitoring
Test & Measurement Instrumentation

Hoskin Scientific operates out of three offices within Canada with an additional service centre in Edmonton, AB :

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