

# SSM-200

Soluble Salt Meter



## Setting the new standard - the fully automated soluble salt meter

A new inspection tool has been developed to replace the Bresle patch method for soluble salt determination. This Soluble Salt Meter, for which United States Patent No. 8,252,600 was issued on August 28 2012, was designed around the current Bresle patch salt inspection method. The SSM test protocol exactly duplicates the Bresle process, except that measurements are automated and there are no consumables (except distilled water). The complete test sequence requires only one minute. The SSM is approved as an authorized alternative to the Bresle patch method.

### Benefits

- Accurate, easy measurements
- Memory stores up to 1000 measurements for download and analysis
- Repeatable results
- Rugged, industrial hardened measurement device
- Simple operating instructions
- Reduced process steps (17 steps reduced to 6 steps)
- Reduced process time (only one minute reading to reading)
- Eliminate process induced surface contamination (sticky residue)
- Equipment easily transportable (tank inspections)
- Improved safety (syringes/needles eliminated)
  - Operator error minimized
  - Metered water injection
  - Automatic data recording feature (configured to work with coating technical file)

## SSM-200 SOLUBLE SALT METER SPECIFICATIONS

Standards	Equivalent to ISO Standard 8502-9 (Field method for the conductometric determination of water-soluble salts; The Bresle method) in accordance with NACE SP0508-2008.
Measurement area	1250 mm (circular) fixed foot print
Attachment method	Magnetic with silicone seal (no effect on surface quality; proven to seal over deep pits)
Water injection method	Automated, with simple press of fixed volume dispenser
Dose	3 ± 0.05 ml
Measurement process steps	5
Total process time	60 seconds (Measurement to Measurement)
Measurement range	0-100 µS/cm
Resolution	1 µS/cm
Measurement accuracy	± 3 µS/cm
Surface temperature range	5-50°C(41-122°F)
Temperature probe accuracy	±0,3°C (± 0,54°F)
Diameter of curvature:	- Standard measuring head ≥44 inch/1100mm - Measuring head 1 26<=>42inch/650<=>1050mm - Measuring head 2 14<=>24inch/350<=>600mm - Measuring head 3 8<=>12inch/200<=>300mm
Readout	µS/cm or mg/m <sup>2</sup>
Memory	Holds up to 1000 measurements (10 batches of upto 100 measurements each)
Connectivity	via USB with PC or laptop
Power supply	Lithium-ion rechargeable battery
IP Rating	IP54
Dimensions (instrument only)	21x10x8cm
Weight (instrument only)	780gr.

## ORDERING INFO SOLUBLE SALT METER KIT / PARTS

The SSM can be purchased in two versions: the "Lite" version which includes 50 measurements with the possibility to purchase additional measurements as and when required, and the "Unlimited" version which can take unlimited readings. The "Lite" version provides the possibility to reduce the initial purchase price of the SSM and to purchase additional readings for specific projects. The "Lite" version can be upgraded to the "Unlimited" version by purchasing a licence.

Part no.	Description
7862000	SSM-200 Soluble Salt Meter Kit ("Unlimited" version), includes: <ul style="list-style-type: none"> <li>• Soluble Salt Meter</li> <li>• SSM adapter flat surface</li> <li>• Dispenser</li> <li>• Power supply</li> <li>• USB cable and PC Software</li> <li>• Calibration fluid</li> <li>• Carrying case</li> <li>• Certificate of performance</li> <li>• unlimited credit measurements</li> </ul>
7862001	SSM-200 Soluble Salt Meter Kit ("Lite" version). Same as above only with 50 measurements.
7862004	Upgrade license from "Lite" version to "Unlimited" version
7862005	100 measurements
7862011	Adapter pipe diameter 65-105cm (26"-42")
7862012	Adapter pipe diameter 35-60cm (14"-24")
7862013	Adapter pipe diameter 20-30cm (8"-12")
7862014	Set of adapters pipe diameter 20-105cm (8"-42")
7862015	Performance check for SSM-200 with certificate

### Related Literature

LT9000E	AIE Airblast Inspection Equipment - The Guide
LT9220E	Data Sheet - BTK-220 Bresle Test Kit
LT9260E	Data Sheet - RGB-260 Rust Grade Book
MN9200E	Instruction Manual - SSM-200 Soluble Salt Meter
MN9220E	Instruction Manual - BTK-220 Bresle Test Kit