Schleuniger

ElectrolyteStaining Unit 6

Sample Staining Unit for Crimp Cross Section Analysis

- Safe and effective staining solution (Ph = 7)
- Staining indicator for instant process feedback
- Optional auxiliary lens for expanded field of vision for larger samples
- Multiple staining pen sizes depending on the sample
- Environmentally-friendly

QUALITY ASSURANCE

ElectrolyteStaining Unit 6

Concept
With the MicroGraph System (MGS), crimp cross-sectional images can be created in a fraction of the time compared to conventional methods. The system includes modular components that can be combined according to individual needs. The ElectrolyteStaining Unit (ESU) allows the user to quickly and safely stain a pre-cut cross section sample for further analysis. The sample is stained using an innovative electrolytic staining process using a solution with a Ph level the same as water. Therefore, it is very safe to handle without any special equipment or training required with acids. A built-in staining indicator glows depending on the strength of the staining process thereby giving the operator instant feedback on the effectiveness of the process. Multiple staining pen sizes are available depending on the sample size. The ESU 6 can be used on a range of applications from crimp cross sections to welded samples.

Applications
- Standard crimp
- Machined contact/indent crimp
- Ultrasonic and Resistance Welding

Technical Specifications	
Model	Electrolyte Staining Unit ESU 6
Cross section range	Unlimited
Cleaning process	Electrolytic-Staining process (electro-chemical process)
Staining pen tip material	Felt tips
Operating temperature	0 – 50° C (32 – 120°F)
Enclosure rating	IP20
Electrical connection	12 VDC
Dimensions (L x W x H)	150 x 150 x 90 mm (5.9“ x 5.9“ x 3.5“)
Weight	Approx. 2 kg (4 lbs)
CE – conformity	The ESU 6 fully complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility.