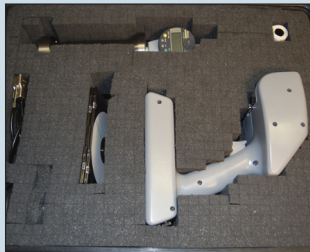




STUD ELONGATION MEASUREMENT SYSTEM III (SEMS III)



Biach engineers from Hydratight have developed a new, smaller stud elongation measurement system - the SEMS III. It utilizes mechanical elements of the SEMS HC along with the new data acquisition and management element. The actual measurements are attained through the SEMS HC's dedicated pod design to mate with site's reactor pressure vessel (RPV) stud, the measuring rod and the digital depth micrometer, which provides the readings. The data acquisition element simply plugs into the dial indicator component for downloading readings.

Features:

- Trigger action stores a reading and automatically scrolls to next stud number
- Arrows on the face plate allow the operator to scroll any stud number
- Stores initial readings and up to two passes of measurements
- Instantly calculates the elongation and determines if it is acceptable
- Uses an onboard EEPROM system, which stores measurements in case of loss of battery power
- Measurements can be downloaded to a PC by the RS232 serial connection
- Onboard thermal printer can print each measurement or a final list of all measurements
- Contains separate CPU and printer battery pack to prevent losing measuring functionality if the printer batteries should run low
- Allows dual usage capability; readings can still be obtained with or without the hand held data acquisition unit

Benefits:

- Convenient 'pistol' grip facilitates handling
- Weighs less than 2.5 lbs (1.13 kg) (excluding pod); constructed of impact resistant urethane
- Includes a small calibration block and a foam lined container for storage and protection

Power	
Regular or rechargeable (NiMH) AA batteries	printer: 4 logic: 6
Physical Description	
Width	4 ³ / ₄ " (95 mm)
Height	8 ¹ / ₂ " (216 mm)
Depth	8" (203 mm)
Weight	2.5 lbs (1.13 kg)
Warranty	
SEMS III has a full one year warranty	

Further details can be obtained from your local Hydratight representative or via the website www.hydratight.com/biach

HT/TD-SEMS3/US/10-10