

휴대용 부식 측정기 (Handheld Corrosion Probe)



Model : HYDROSTEEL 6000

용 도(Applications)

- 파이프 및 석유화학 운송 선박의 부식 활성화도 측정
- HIC 손상 검증, 평가 및 통제
(HIC: Resistance to Hydrogen Induced Cracking)
- 고열에서의 HF, 산에 의한 부식 모니터링
- 파이프 내부 보호 코팅의 완전성 테스트

특 징(Features)

- 수소 흐름을 정확하고 빠르게 측정
- 500°C의 강철제품 표면에도 측정
- 3.5" 직경에서부터 평면까지 표면 측정 가능
- 일반적으로 부식이 일어나는 곳에서는 어디든 측정 가능
- 가볍고 휴대하기 편함
- 접착제나 윤활제 등의 소모품이 요구되지 않음
- 측정을 위한 표면 처리 필요 없음

SPECIFICATIONS

Measurement Principle	Hydrogen collection and analysis
Intrinsically Safe Approvals	Ex II 2 G EEx ia IIC T4 -20 °C ≤ Ta ≤ 60 °C
	Baseefa 02ATEX0093
Battery Type	4 x alkaline AA
	Typically 30 hours life DC input 6 volts
Sensitivity	± 1 pL/cm ² /s (Note: 1 pL = 10 ⁻¹² litres at s.t.p.)
Dynamic Range	0 to 15,000 pL/cm ² /s
Accuracy	± 10% displayed reading ± One digit
Response	T90 = 50 seconds
Calibration	Calibrated to UKAS/NIST standards
	Yearly calibration required
Communication	Bi-directional using IR port

Data Logging	Over 40,000 data points with time & date stamp
PC Software	Microsoft Windows and Vista compatible
Temperature	Analyzer : -20 to 50 °C
	LT-R probe : steel surface up to 150 °C
	HT-R probe : steel surface up to 500 °C
	AT-S probe : steel surface up to 500 °C
	HT-S probe : steel surface up to 500 °C
	Storage < 20 °C
Gas Conduit	Standard lengths available : LT-R and HT-R 1 ~ 10m
	LT-R only 2m
Dimensions	Analyser : 34 x 6 x 5 cm
	LT-R and AT-S probes : 15 cm diameter
	HT-R and HT-S probes : 5.7 cm diameter
Wight	Analyser : 450 g
	LT-R probe : 397 g
	HT-R probe : 312 g
Steel Curvature Range	Minimum diameters
	LT-R and HT-S probes : 9 cm
	HT-R and AT-S probes : 20 cm

CONFIGURATIONS

Hydrosteel 6000 analyser	1 ea
Robust Peli field case to contain all components	1 ea
LT-R probe for low temperature measurements	1 ea
LT-R 1 m gas sample conduit	1 ea
LT-R poles and swivel joint for extended reach	1 ea
LT-R 2 m gas sample conduit	1 ea
LT-R replacement plate	1 ea
HT-R probe for high temperature measurements	1 ea
HT-R 2m gas sample conduit	1 ea
HT-R very HT conduit extension	1 ea
HT-R plate replacement wrench	1 ea
HT-R plate fixing key	1 ea
HT-R spanner (2)	1 ea
HT-R replacement plates x 2	1 ea
IRDA link including power cables, mains adapter software and serial comms cable	1 ea
Manuals certification	1 ea