Accura Lab Coating Weight Gauge

PC-based laboratory XRF system for measuring coating weight on zinc-coated steel samples

OVERVIEW

The Accura Lab Coating Weight Gauge is a self-contained, floor-standing laboratory station that measures the coating weight of zinc-coated steel coupons cut from a galvanizing line. Measurement is by energy-dispersive X-ray fluorescence (XRF): non-contact, non-destructive, and direct in g/m².

KEY FEATURES

- Energy-dispersive XRF measurement head
- Industrial fanless PC running Windows LTSC
- Touchscreen HMI with guided workflow
- Multi-point sampling and averaging
- Top and bottom coating weight on one sample
- Automatic standardization
- Reporting and CSV / database export

COATING APPLICATIONS

- Hot-Dip Galvanized (HDG)
- Electrogalvanized (EG)
- Galvanneal (GA)
- Galvalume (55% Al-Zn)
- Galfan (Zn-5% Al)
- ZAM (Zn-Al-Mg)

[TBD] = pending final specification.

SPECIFICATIONS

Parameter	Specification
Measurement method	Energy-dispersive XRF
Coatings	Zn-based: HDG, EG, GA, Galvalume, Galfan, ZAM
Measurement range	[TBD] g/m²
Repeatability	[TBD]
Accuracy	[TBD]
Sample size	[TBD]
Measurement time	[TBD] seconds
X-ray source	Sealed tube, [TBD] kV
Detector	Ion chamber / solid-state [TBD]
Control platform	Industrial fanless PC, Windows LTSC
Operator interface	Integrated touchscreen HMI
Data output	On-screen, printed report, CSV export

PHYSICAL & UTILITIES

Configuration	Floor-standing, mobile cabinet
Dimensions (approx.)	[TBD] W x [TBD] D x [TBD] H
Weight	[TBD]
Electrical	[TBD] VAC, single phase
Environment	Indoor laboratory, [TBD] °C

INCLUDED

- Measurement cabinet with integrated PC and HMI
- XRF measurement head and sample stage
- GGC coating-weight software
- Calibration standards [TBD]
- Installation, training, and 24/7 support