

ACCUCHROME SPECIFICATIONS

PERFORMANCE

Accuracy by component $\pm 0.5\%/F.S$ (range ≥ 50)
 $\pm 1\%/F.S$ ($5 < \text{range} < 50$)
 $\pm 2\%/F.S$ (range $\leq 5\%$)

Accuracy by heating value ± 0.25 Btu/scf per 1000 Btu/scf

Repeatability ± 0.25 Btu/scf per 1000 Btu/scf

Sensitivity 200 ppm

Linearity $\pm 2\%$ F.S.

Response time: 4 to 5 minutes

ENVIRONMENT

Ambient temperature -20°C to $+60^{\circ}\text{C}$ (-4°F to 140°F)

Dimensions 686 mm W x 838 mm H x 318 mm D (27" W x 33" H x 12.5" D)

Weight Division 1: 54.4 kg (120 lbs)
Division 2: 38.6 kg (85 lbs)

UTILITIES

Power & consumption 24 VDC, 100 watts startup, 50 watts running
90-240 VAC, 50/60 Hz 100 watts startup, 50 watts running

Sample flow 100 cc/min, 1 barg (0.21 SCFH, 15 psig)

Gas requirements Helium or hydrogen carrier gas 5.5 - 6.9 barg, 20 cc/min (80 - 100 psig, 0.042 scfh)

COMMUNICATIONS

Digital Outputs Modbus RS232, Modbus RS485, Modbus TCP/IP

Digital Inputs 2 dry contact, 2 wet contact (12/24 VDC)

Analog Inputs 3 universal inputs, user programmable (RTD, 4-20 mA, transducer)

Analog Outputs 4 x 4-20 mA, user scalable, user selectable loop or self powered

Relays 4 x SPDT relays, 8 amp @250 VAC

APPROVALS & CERTIFICATIONS

CSA (C, CUS) Class 1 Division 1, Groups BCD
CSA (C, CUS) Class 1 Division 2, Groups BCD
Measurement Canada for Custody Transfer