

Technical Specification



Applied Rigaku Technologies, Inc.

Specifications

Sulfur Range

0.02 – 6 wt%

Measurement Precision

±13 ppm @ 0.12 wt% S (time = 60 s)

Instrument Configuration		
X-ray tube source		
High count rate scintillation detector	Up to 250,000 cps	
X-ray transmission/absorption method		

Process Conditions

Stream pressures to 100 bar (1450 psig) Stream temperatures to 200°C (392°F) Flow rates up to 200 l/m (53 gal/m)

Required Inputs

4 – 20 mA raw density

density Precision of ±0.0005 g/cm³ or better

o 15℃ / 59°F

4 – 20 mA flow For loss of flow warning

4 – 20 mA remote calibration selection

Process Connection

Two 1-inch 600 # ANSI flanges

Area Classifications

Class 1 Div 1, Class 1 Div 2 (GOST, CSA) ATEX zone 2

Environmental Conditions

Ambient temperature 0 – 35°C (32 – 95°F)



Backed by Rigaku

Since its inception in 1951, Rigaku has been at the forefront of analytical and industrial instrumentation technology. With hundreds of major innovations to their credit, the Rigaku group of companies are world leaders in the field of analytical X-ray instrumentation. Rigaku employs over 1,400 people worldwide in operations based in Japan, the U.S., Europe, South America, and China.

Warranty



Our Guarantee

Applied Rigaku Technologies, Inc. offers a 2-year warranty on all EDXRF spectrometers it produces. This industry-leading manufacturer's warranty shows our commitment to quality and displays our dedication to maximizing uptime for our customer's processes and applications.

Communications

Sulfur results	4 – 20 mA output
Density results	4 – 20 mA output
General warning	Dry contact
General alarm	Dry contact
MODBUS® 485	

Air Supply (NEMA 4 classified configuration)

Purge	4.1 – 8.3 (60 – 120 psig) air pressure 115 – 225 l/m (4 – 8 scfm) rapid exchange Leakage compensation (application specific)
Optional vortex cooler	710 – 990 l/m (25 – 35 scfm) dry oil free air 6.9 – 8.3 bar (100 – 120 psig) air pressure

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115/230 V, 2.8/1.4 A (47 – 63 Hz) Dedi	cated supply

