

Explosion protection

Marking	ATEX: II 2G Ex db IIB+H2 T6 Gb IECEX: II 2G Ex db IIB+H2 T6 Gb CSA/CUS Class I Div 1 Group B, C + D CE ⁰⁵¹⁸
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Technical data

Technology	electrometric method
Method	correlates with: ASTM D3230
Measuring range	0 to 400 PTB (0 to 1000 mg/L)
Repeatability	2 % of scale
Reproducibility	± 1 % of scale
Measuring cycle	5 min typical
Measuring temperature	programmable, typical 50 °C (122 °F)

Electrical data

Nominal voltage	110 or 220 V AC, 1 phase; 50/60 Hz
Maximum power consumption	600 W
– Protection class	IP 65
– Ambient conditions	
Ambient temperature	-20 to 40 °C (-4 to 104 °F)
Ambient humidity	up to 90 %

Sample	
Quality	filtered 100 µm, without water
Consumption	3.0 to 6.0 l/h
Pressure at inlet	3 to 10 bar (45 to 145 psi)
Temperature at inlet	10 to 60 °C (50 to 140 °F)

Utilities	
– Instrument air Consumption	less than 60 l/h
Pressure at inlet	5 to 8 bar (70 to 116 psi)
Quality	clean dry, instrument air
– Coolant	Not required
Solvent	Reagent Grade Xylenes, Reagent Grade 1-Butanol Reagent Grade Absolute Methyl Alcohol Industrial Grade Naphtha

Signal outputs and inputs	
Analog outputs	1 standard, 1 optional
Digital outputs	3 dry contacts programmable
Digital inputs	up to 4 dry contact inputs, (customer alarm, remote standby, stream switch, validation request)

Electrical data of signal outputs and inputs	
Analog outputs	up to 2 to 4-20 mA self powered and isolated, 1 is standard
Analog inputs	None required
Digital outputs	up to 3 dry contacts programmable, contacts SPDT rated at 250 VAC, 3A, alarm critical, come read, alarm warning
Digital inputs	up to 4 dry contact inputs, (customer alarm, remote standby, stream switch, validation request)

User interfaces	
Display	7" color graphics
Keyboard	5 button magnetic, no hot work permit required

Connections	
Sample inlet	1/4" FNPT
Sample outlet	1/4" FNPT
Vent/Drain	1/4" FNPT

Weight and dimensions	
Weight	340 kg (750 lbs)
Dimensions (W x H x D)	940 x 1803 x 762 mm (37" x 71" x 30" in)

Optional interfaces	
Analog outputs	optional, conductivity, cell temperature
MODBUS interface	TCP/IP or Serial/RTU MODBUS output available



Representantes / Distribuidores Exclusivos

 Argentina

Tel: (+54 11) 5352 2500

Email: info@dastecsrl.com.ar

Web: www.dastecsrl.com.ar

 Uruguay www.dastecsrl.com.uy

 Bolivia www.tecdas.com.bo