

## Explosion protection

Ex protection marking	ATEX: Ex db IIB T6 Gb IECEX: Ex db IIB+H2 T6 Gb CSA/CUS Class I Div 1 Group B, C + D CE <sup>0518</sup>
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## Technical data

Technology	absorbance or reflectance
Method	correlates with: ASTM D2500
Measuring range	-125 to 25 °C (-193 to 77 °F)
Repeatability	0.25 °C
Reproducibility	correlates with: ASTM D2500
Measuring cycle	less than 10 min
Product streams	diesel, kerosene
<b>– Electrical data</b>	
Nominal voltage	100 to 120 V AC 1 phase; 50/60 Hz 200 to 240 V AC 1 phase; 50/60 Hz
Maximum power consumption	600 W
<b>– Protection class</b>	IP 65
<b>– Ambient conditions</b>	
Ambient temperature	0 to 30 °C (32 to 86 °F)
Ambient humidity	up to 90 %
<b>Sample</b>	
Quality	clean and filtered, less than 10 µm
Consumption	60 to 120 l/h
Pressure at inlet	2 to 24 bar (29 to 348 psi)
Temperature at inlet	15 to 85 °C (59 to 185 °F)
<b>Utilities</b>	
<b>– Instrument air Consumption</b>	If air cooled cyro then 25 CFM
Vortec Purge	12 l/h
Pressure at inlet	5 to 9 bar (80 to 120 psi)
Quality	plant air

<b>– Coolant</b>	
Consumption	if liquid cooled cyro then 120 l/h
Temperature	0 to 40 °C (32 to 86 °F)
Pressure at inlet	1 to 20 bar (min 2 bar different)
Quality	clean and filtered
<b>Signal outputs and inputs</b>	
Analog outputs	Cloud Point, cell temperature, optical signals
Digital outputs	Cloud Point alarm, analyzer fault, come read
Digital inputs	customer alarm, remote standby, stream switch, validation request
<b>Electrical data of signal outputs and inputs</b>	
Analog outputs	1 standard 4-20 mA self powered and isolated, 1 optional
Digital outputs	up to 3 dry contacts 250 V AC, 3 A
Digital inputs	up to 4 dry contact, (dry contact)
<b>User interfaces</b>	
Display	7" color graphics
Keyboard	5 button magnetic no hot work permit required
<b>Connections</b>	
Sample inlet	1/4" FNPT
Sample outlet	1/4" FNPT
<b>Weight and dimensions</b>	
Weight	approx. 228 kg (750 lbs)
Dimensions (W x H x D)	approx. 940 x 1803 x 762 mm (37" x 71" x 30" in)
<b>Optional interfaces</b>	
Analog outputs	optional (Sig0, Sig90, cell temperature)
MODBUS	TCP IP/Serial RTU



Representantes / Distribuidores Exclusivos

 Argentina

Tel: (+54 11) 5352 2500

Email: [info@dastecsrl.com.ar](mailto:info@dastecsrl.com.ar)

Web: [www.dastecsrl.com.ar](http://www.dastecsrl.com.ar)

 Uruguay [www.dastecsrl.com.uy](http://www.dastecsrl.com.uy)

 Bolivia [www.tecdas.com.bo](http://www.tecdas.com.bo)