



General

The Anton Paar mPDS 1100 evaluation unit is a powerful process computer which measures density or sound velocity and temperature, and calculates concentration in combination with a:

- DPRn Density Transducer
- SPRn Sound Velocity Transducer

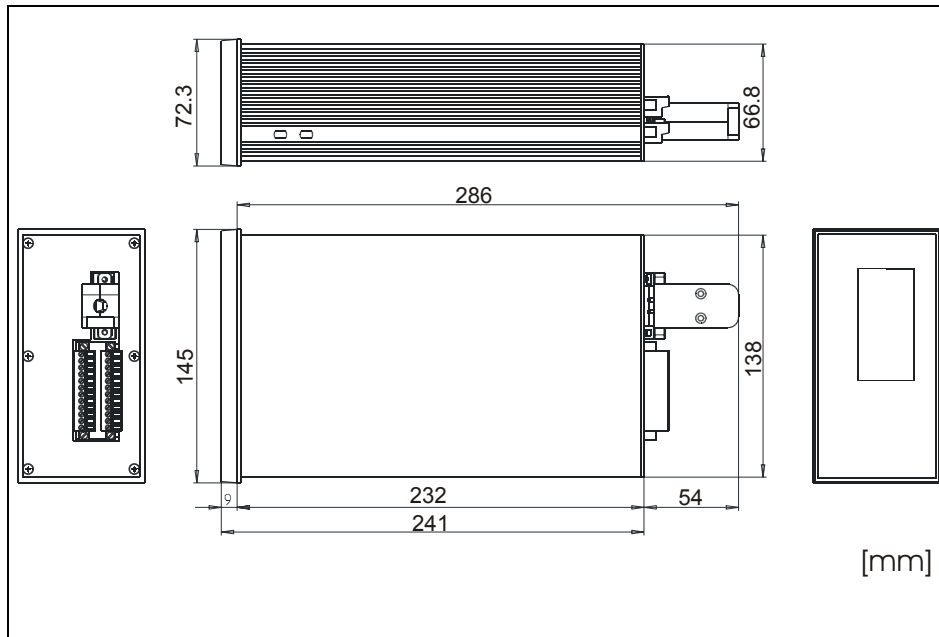
Features

- One analog input for use with the application programs, e.g. CO₂ compensation of carbonated beverages
- Data acquisition and visualisation with the Windows-based DAVIS software (optional)
- Product specific parameters for up to 32 different products:
 - temperature compensation
 - concentration determination
 - limit monitoring
 - scaling of AI and AO
 - product adjustment (offset, gain-factor)
- Permanently stored application programs
- Product-specific concentration formulas can be entered
- A special version with direct input for intrinsically safe DPRn I/SPRn I transducers is available (optional)

Typical Applications

- Density, Specific Gravity and API gravity in petrochemical industry
- Concentration of acids, alkalis and other chemical solutions
- °Brix of soft drinks, juices and liquid sugar
- Original extract of beer
- Extract of wort
- Alcohol concentration

mPDS 1100 Evaluation Unit



Technical Data

System inputs	Connection of one DPR(n) or SPR(n) transducer Optional: special version for connection of one DPRn I or SPRn I transducer	
	1 analog input 1 digital input External product selection	4 to 20 mA passive Frequency < 100 Hz, e.g. filler stop 5 bits, 32 products
System outputs	2 analog outputs 2 relays for limit monitoring Computer serial interface Display	4 to 20 mA passive, accuracy 0.1 % of FS (for DC 24 V max. 500 Ohm circuit resistance) 24 V / 0.7 A RS 232, 1200 to 9600 Baud Option: Profibus DP adapter 4 x 20 character LCD
Temperature range ambient	10 – 40 °C	
Power supply	DC 24 V, 200 mA	
Dimensions (W x H x D)	144 x 72 x 300 mm (5.67 x 2.84 x 11.81 inches)	
Panel cut out	139 x 68 mm (5.47 x 2.68 inches)	
Degree of protection	front IP54	
Weight	approx. 1.5 kg (3.3 lb)	

Specifications subject to change without notice.