

**Product Name :**  
Supersonic Wind Tunnel with Schlieren Optics

**Product Code :**  
DM954



**Description :**

Supersonic Wind Tunnel with Schlieren Optics

**Technical Specification :**

Supersonic Wind Tunnel With Schlieren Optics  
Investigation of pressure curves in supersonic flow  
Visualisation of mach lines and shock waves using schlieren optics  
Continuously operating, open supersonic wind tunnel, low pressure principle  
Positive displacement fan with variable speed  
Interchangeable walls in the measuring section produce velocities up to mach 1,8  
Drag bodies: rocket, projectile, double wedge and wedge  
Manometer for displaying the pressure in the measurement point  
software for data acquisition via usb under windows 7, 8.1, 10  
Positive displacement fan, variable speed sound-dampened, 84dB(A)  
power consumption: 55kW  
Supersonic wind tunnel  
cross-section of the measuring section: 100x25mm  
interchangeable walls for measuring section  
1x straight contour: Ma>1  
2x Laval contours: Ma 1,4 and Ma 1,8  
Schlieren optics  
Halogen lamp with 50W and 100W  
2 adjustable parabolic mirrors  
Adjustable slit diaphragm

Screen for Schlieren optics  
Drag bodies  
Wedge, Double Wedge, Projectile, Rocket  
Recommended ambient conditions:  
40% rel. humidity at 25°C  
Length x Width x Height: 3500x810x1720mm (wind tunnel)  
Length x Width x Height: 1420x1600x1750mm (fan)  
Length x Width x Height: 1710x580x1450mm (Schlieren optics)  
Weight: 1550-2000kg (total)

## Naugralabequipments

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