



Dalmierze dużego zasięgu DME5000, DeviceNet

DME5000-315



Nazwa modelu > **DME5000-315**

Numer części > **1026003**

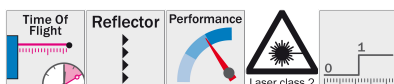


At a glance

- Measurement range from 0.15 m to 300 m
- Very fast measurement cycles
- Highest accuracy, repeatability and system availability
- Illuminated LC display with diagnostic information
- Visible red light and bracket with springs for alignment
- Variety of interfaces: SSI, RS-422, PROFIBUS, HIPERFACE, DeviceNet

Your benefits

- Fastest measurement rate offers optimized integration into control loops for increased productivity
- Red laser light as well as adjustable mounting brackets (optional accessory) enable fast and easy alignment, ensuring on-time and cost-effective installation
- Multi-point self checks provide maintenance and replacement warnings increasing overall machine availability
- A tough, metal housing as well as heating and cooling accessories ensure reliability in rough ambient conditions
- User-friendly display with easy-to-use menu along with external PC/PLC programming offers fast and cost-efficient setup
- Multiple serial interfaces provide high-speed position output to the controller and high flexibility in application integration
- Integrated speed monitoring offers additional information for increased process reliability
- Highest degree of accuracy and repeatability ensures high machine availability



Wydajność

Measuring range ¹⁾ :	0,15 m ... 300 m, on reflective tape "Diamond Grade"
Rozdzielczość:	0,05 mm ... 5 mm
Odtwarzalność: ²⁾ , ³⁾ :	2 mm
Accuracy:	± 5 mm
Nadajnik światła ⁴⁾ :	Laser, red
Typ. light spot size (distance):	130 mm (at 70 m) 270 mm (at 150 m) 360 mm (at 220 m)
Output rate:	2 ms
Max. movement speed:	10 m/s
Klasa lasera:	2 (EN 60825-1/CDRH)

1) 2) On reflective tape "Diamond Grade" 3) Statistical error 1 σ , environmental conditions constant, min. warm-up time 10 min 4) Average service life of 50,000 h at T_A = +25 °C

Interfejsy

Interfejs danych:	DeviceNet
Wyjście przełączające ¹⁾ :	Push-pull: PNP/NPN (100 mA)
Multifunctional input (MF) ²⁾ , ³⁾ :	1 x MF

1) HIGH = > V_S - 3 V / LOW = < 2 V 2) HIGH = > 12 V / LOW = < 3 V 3) Not reverse-polarity protected

Mechanika/elektronika

Napięcie zasilania V _S :	DC 18 V ... 30 V, limit values
Tętnienia resztkowe ¹⁾ :	< 5 V _{ss}
Initialization time ²⁾ :	1,5 s
Indication:	Display
Ciężar:	Ca. 1.650 g
Output current I _A ³⁾ :	≤ 100 mA
Pobór prądu:	At 24 V DC < 250 mA
Sposób przyłączenia:	Wtyk, M12, 5-pinowe

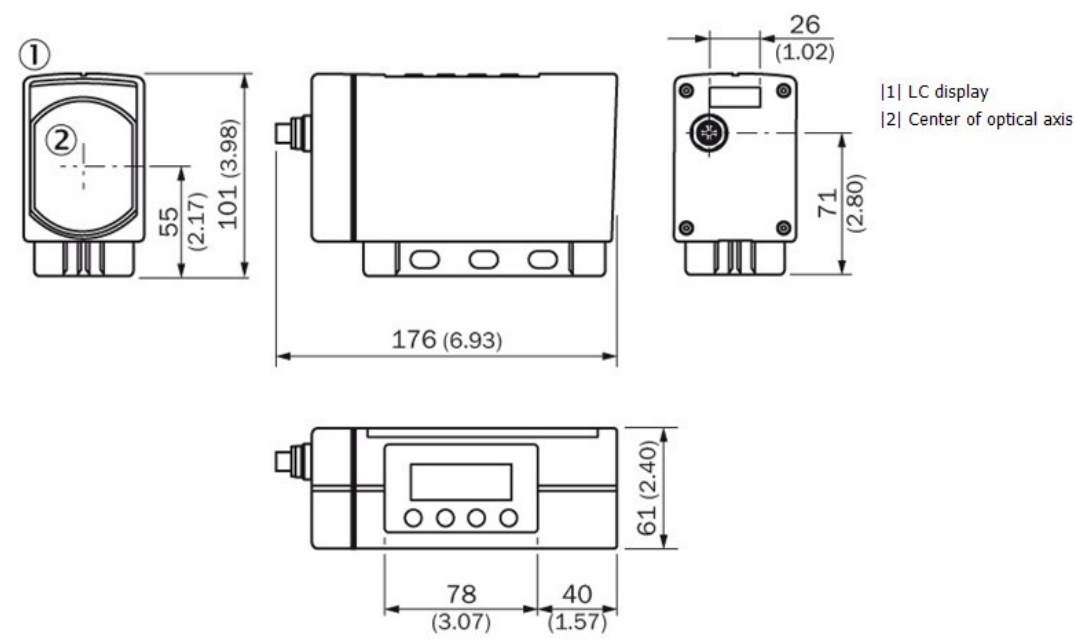
1) May not fall short of or exceed V_S tolerances 2) After loss of reflector < 1 s at max. speed V_{max} < 1 m/s 3) Short circuit/overload protected. Max. 100 nF/20 mH

Dane otoczenia

Rodzaj zabezpieczenia:	IP 65
Klasa ochronności ¹⁾ :	II
Effect of air pressure:	0,3 ppm/hPa
Effect of air temperature:	1 ppm/K
Dryft temperaturowy:	Typ. 0,1 mm/K
Ambient temperature:	Operation: -10 ... 55 °C Operation with cooling case: -10 ... 75 °C Storage: -25 ... 75 °C
Mechanical load:	Noise: EN 600 68-2-64 Shock: EN 600 68-2-27/-2-29 Sine: EN 600 68-2-6
Kompatybilność elektromagnetyczna (EMC):	EN 61000-6-2, EN 55011

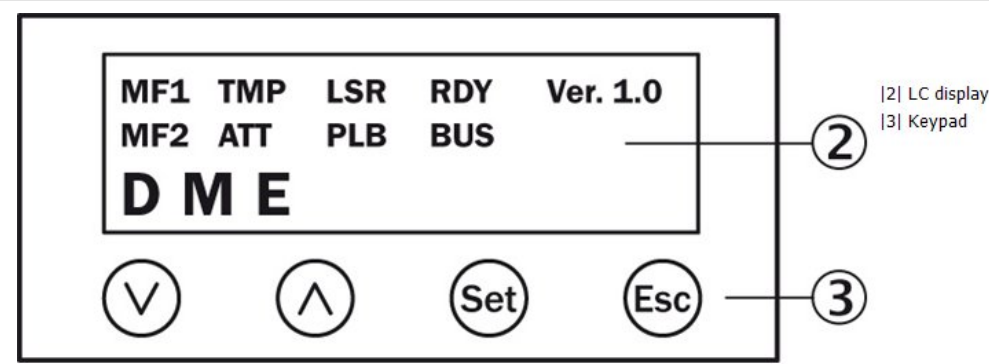
1) Reference voltage DC 32 V

Dimensional drawing

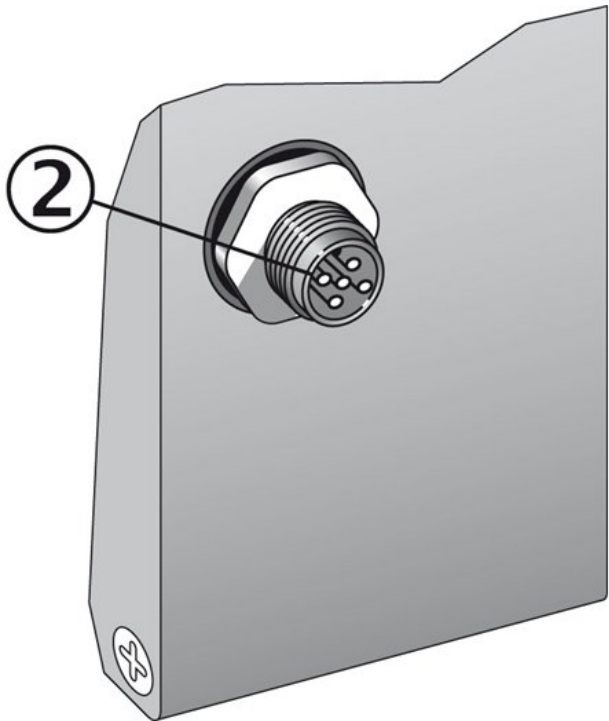


All dimensions in mm (inch)

Adjustments

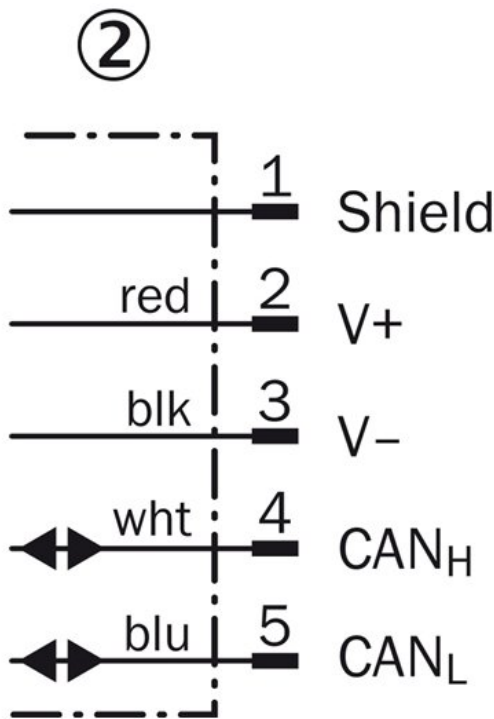


Connection type



|2| Connector M12, 5-pin, A-coded

Connection diagram



|2| Connector M12, 5-pin, A-coded

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