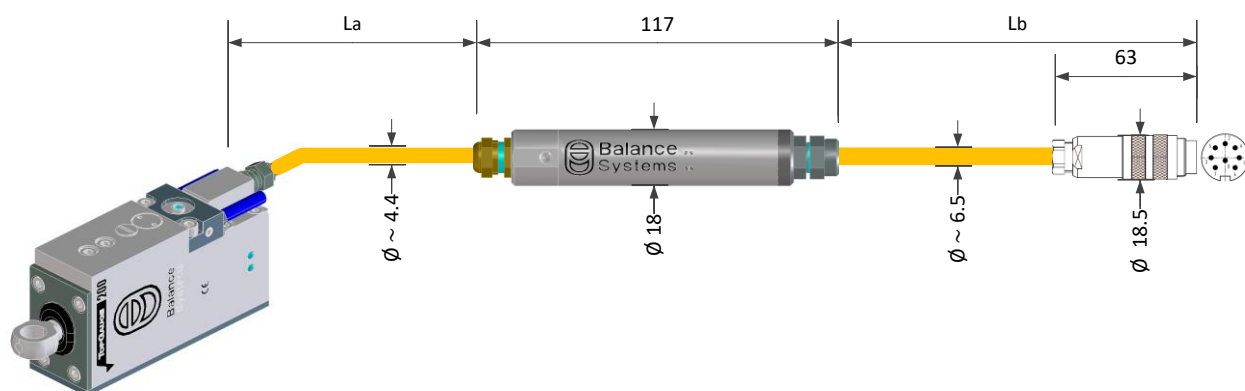
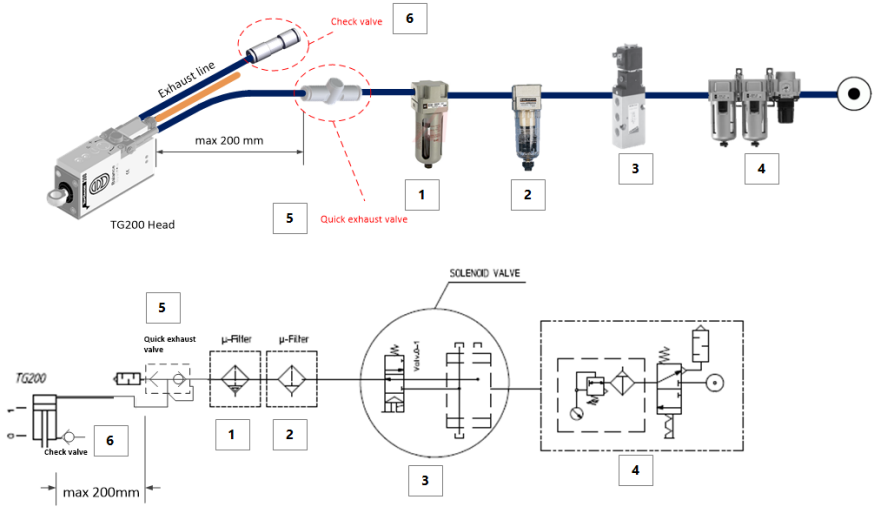


9MISTG20TLR000 - TOP GAUGE 200


DESCRIPTION		NOTES
Function	In process modular gauge head	
GENERAL INFORMATION		NOTES
Name	Wide range	
Total measuring range (*)	± 6,25 mm	
Retraction extra-stroke (*)	+ 2,75 mm	
Probe pre-stroke (*)	- 0,25 mm	
Transducer zero	Central	
Retraction type	Adjustable	Preset MAX
Pre-stroke	Adjustable	Preset MAX
Over-stroke	Adjustable	Preset MAX
Damping oil	Syneco 460	
Protection grade	IP67	
FINGERS		NOTES
Fingers available length	56 ÷ 120 mm	
Lateral offset (perpendicular measure)	40 mm (Max)	
Lateral offset (parallel measure)	40 mm (Max)	
Measuring force range	80 ÷ 200 g (Adjustable)	Preset 150g
TRANSDUCER		NOTES
Transducer type	LVDT	
Transducer total measuring range	± 2,5 mm	
Linearity & Sensitivity	± 2,5 mm	
Sensitivity error	± 2%	
Repeatability	< 0.1 µm	
Thermal drift	< 0.1 µm/°C	
Thermal stability	< 0.2 µm/24h	
Energizing voltage	3,5 Vpeak	
CABLE		NOTES
Cable type	Amplified	
Cable length (La)	1000 mm	±10%
Cable length (Lb)	2000 mm	±10%
Minimum bending radius	Static laying = 5 x cable diameter Dynamic laying = 15 x cable diameter	
Extension cable type	9PL08xxxDI00M0	
Extension cable length	max 30m	
Connector	Binder 423 series, 8 poles, male, IP67	

HARDWARE		NOTES												
Associated gauge card	9SHVM2xyyKG0z0													
PNEUMATIC RETRACTION		NOTES												
Retraction pressure range	6 ÷ 7 bar													
Tubes diameter (external)	Ø4 mm													
Tubes length	3 m													
Type of air	Lubrified from plant supplier													
OTHER		NOTES												
TG200 retraction valves kit	9KIT-TG20VA000													
TG200 additional frontal gasket kit	9KIT-TG20FG000	10 pcs												
DRAWING		NOTES												
Gauge head layout	9MISTG20TLRXXX													
TG200 RECOMMENDED PNEUMATIC LINE FOR RETRACTION														
 Normal environmental condition (clima controlled areas) <table border="1"> <thead> <tr> <th>Air quality requirements</th><th>ISO 8573-1 Class</th><th>Ref. Value</th></tr> </thead> <tbody> <tr> <td>Solid particles size</td><td>3</td><td>Filter <10µm</td></tr> <tr> <td>Water particles (dew-point)</td><td>2</td><td>-20°C</td></tr> <tr> <td>Oil particles amount</td><td>1</td><td>0.01 mg/m³</td></tr> </tbody> </table> - µ-Filter fine - µ-Filter gross - Solenoid valve – single effect - General air circuit - Quick exhaust valve - Check valve Quick exhaust valve (5) and Check valve (6) are supplied with the product. Quick exhaust valve (5) and Check valve (6) are included in 9KIT-TG20VA000.			Air quality requirements	ISO 8573-1 Class	Ref. Value	Solid particles size	3	Filter <10µm	Water particles (dew-point)	2	-20°C	Oil particles amount	1	0.01 mg/m³
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Solid particles size	3	Filter <10µm												
Water particles (dew-point)	2	-20°C												
Oil particles amount	1	0.01 mg/m³												

(*) Nominal values with standard 120 mm reference finger