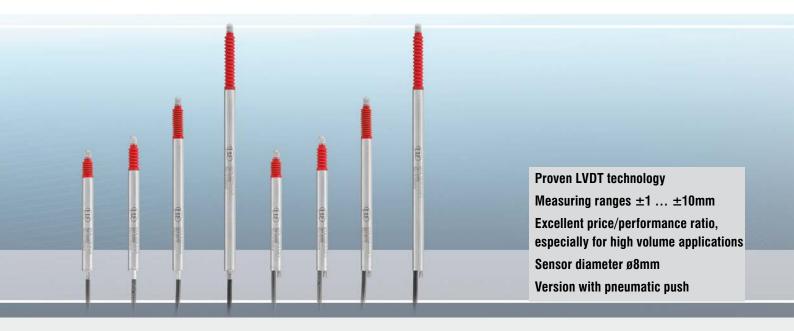
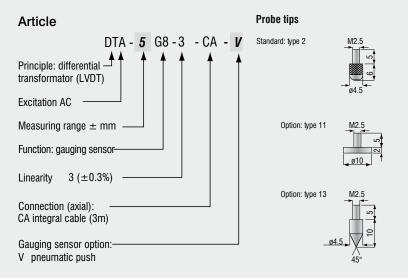
LVDT series - gauges with external controller

4



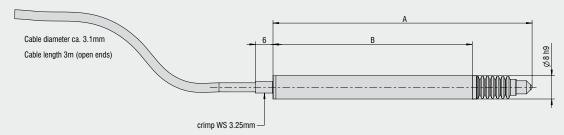
LVDT gauging sensors DTA-xG8 are primarily used for the measurement and inspection of work-piece geometry (length, width, diameter, thickness, depth, height). These new gauges are available in two basic versions: feather or pneumatic. The entire housing has a diameter of 8mm. All gauges include a cable that extends axially from the housing. Due to its special design, this series offers a very attractive price/performance ratio, especially for high volumes.



Model	DTA-1G8	DTA-3G8	DTA-5G8	DTA-10G8	DTA-1G8-V	DTA-3G8-V	DTA-5G8-V	DTA-10G8-V
Measuring range	±1mm	±3mm	±5mm	±10mm	±1mm	±3mm	±5mm	±10mm
Linearity	0.3 % FSO							
Repeatability	0.15µm	0.45µm	0.75µm	1.5µm	0.15µm	0.45µm	0.75µm	1.5µm
Temperature stability	250ppm/°C							
Temperature range	-20+80 °C (without bellows) / 0+80 °C (with bellows)							
Diameter	8h9mm							
Sensor material	stainless steel / FPM							
Connection / pin connector	open ends							
Protection class sensor	IP65 (with bellows) / IP54 (without bellows)							
Cable output	axial							
Sensor cable length	3m							
Life cycle MTBF	5 million cycles							
Sensitivity	133 mV/mm/V	85 mV/mm/V	53 mV/mm/V	44 mV/mm/V	133 mV/mm/V	85 mV/mm/V	53 mV/mm/V	44 mV/mm/V
Electronics	MSC710 (page 8 - 9)							

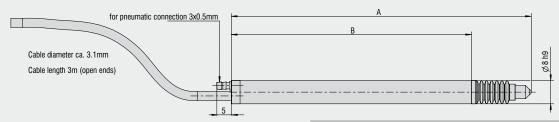
FSO = Full Scale Output

DTA-xG8-3-CA



Model	A (zero position)	В
DTA-1G8-3-CA	83mm	64.3mm
DTA-3G8-3-CA	89mm	68.3mm
DTA-5G8-3-CA	118mm	89.5mm
DTA-10G8-3-CA	155mm	121.7mm

DTA-xG8-3-CA-V



Model	A (zero position)	В
DTA-1G8-3-CA-V	95mm	76.3mm
DTA-3G8-3-CA-V	103mm	82.3mm
DTA-5G8-3-CA-V	134mm	105.3mm
DTA-10G8-3-CA-V	170.8mm	137.3mm