## Spring-loaded LVDT sensor DTU





# Extremely compact inductive spring-loaded LVDT sensor

- full (symmetric) LVDT configuration
- outstanding body-to-stroke ratio
- radiale cable connection
- customized OEM versions

		DTU 8 Q
Nominal stroke up to	mm	±4 (= 10)
Dimension A	mm ±1 mm	10,5
Dimension B	mm	42
Space requirement (inkl. stroke)	mm	~ 72 (< 76)
Sensor weight	g approx.	40
Nominal output	mV/V typical	24
Primary-Impedance (with core @ zero)	Ohm approx.	50
Excitation voltage	Veff max.	5
Carrier frequency	kHz	5
Linearity at < ±2,5 mm stroke	% in rel. to ±4 (= 8)	±0,5
Linearity at < ±4 mm stroke	%	±1,0
Operating temperature	°C	-30 +80
Protection (DIN 40050)		IP 65

## Technical data

### **Connection**

	Q	
Type of connection	PTFE cable 2,5 m long Option: other lengths	
Wiring	primary winding white blue compared red black secundary winding	
Excitation +	White	
Excitation –	Blue	
Measuring signal +	Red	
Measuring signal -	Black	

#### Mechanical drawing

