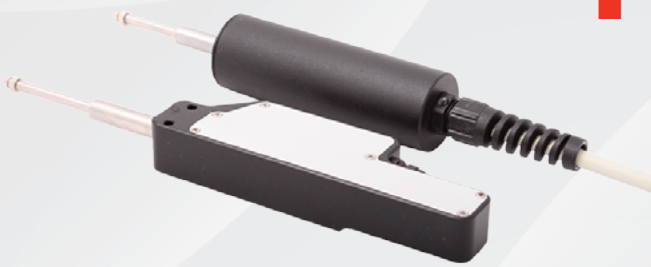
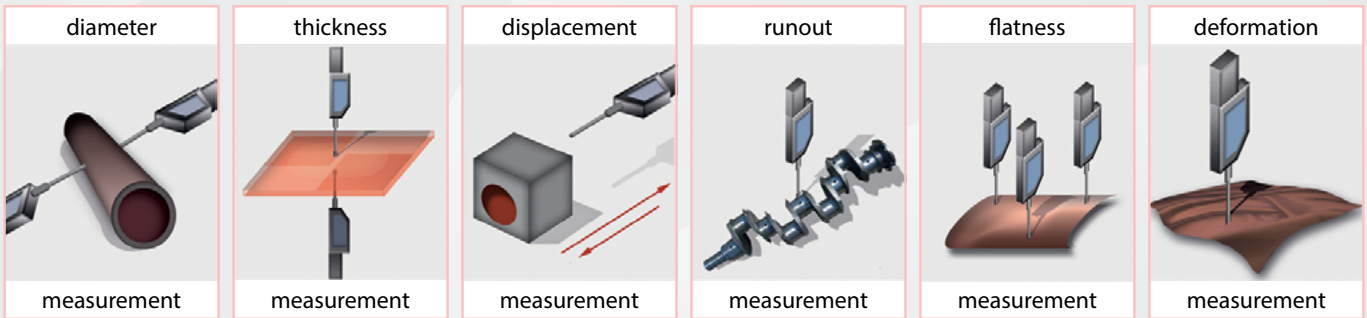


Absolute encoders are designed for measuring and checking displacements, dimensions, run-outs, surface profiles and deformations of engineered objects



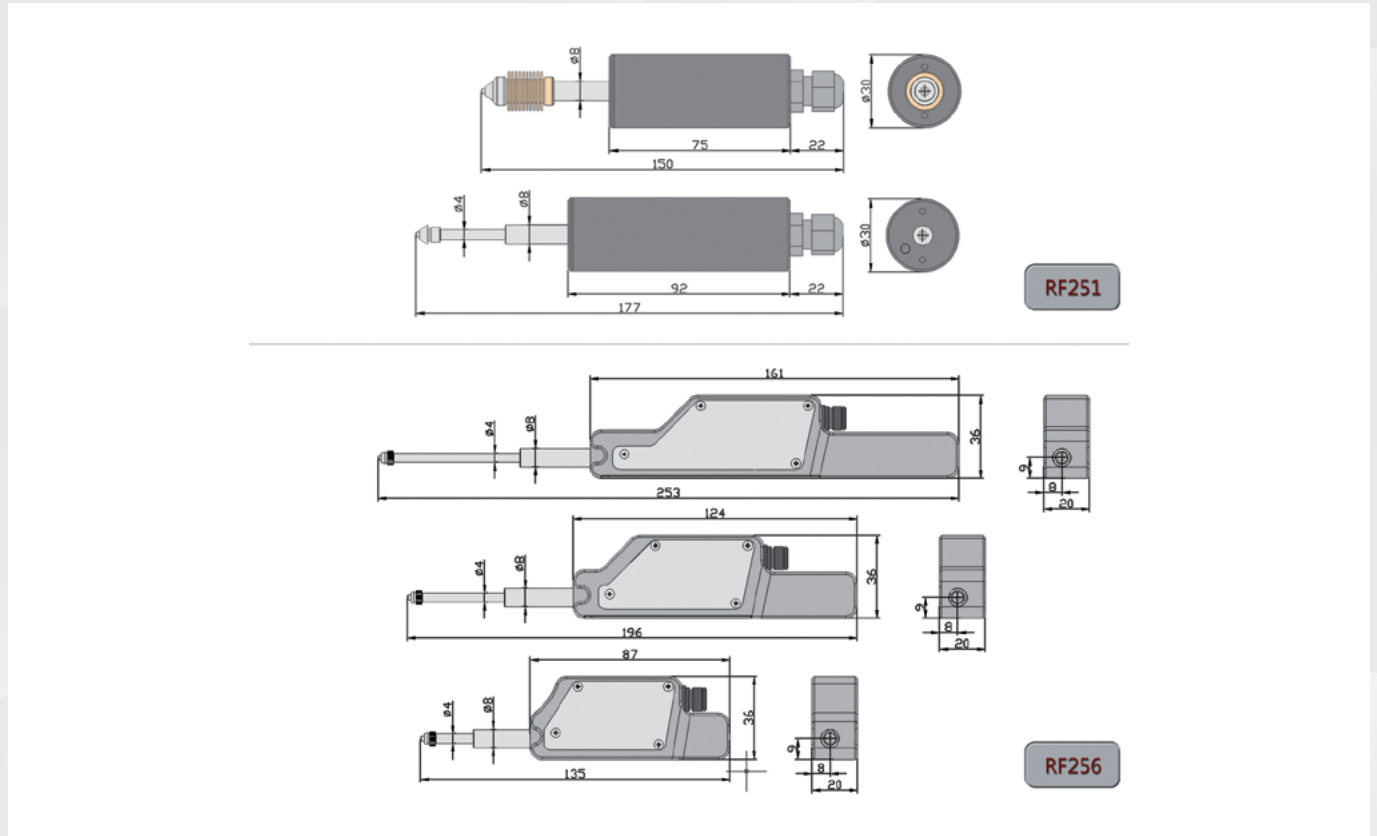
- Innovative technology of absolute measurement
- Emulation of incremental encoder signals
 - Measuring ranges from 3 to 55 mm
 - 0.1 um resolution



BASIC TECHNICAL DATA

RF25x-	RF251-3	RF251-25	RF256-15	RF256-35	RF256-55
Measurement range, mm	3	25	15	35	55
Accuracy (at T=20 °C), um	± 2, ± 1 (for the sensors with "P" index)				± 3, ± 2 (for the sensors with "P" index)
Resolution, um	0.1 or 0.5 or 1				
Output interface	digital	(RS485 and SSI or RS323) and (EncD5 or EncD10 – emulation of quadrature signals of incremental transducers)			
	analog	0...20 mA (<500 Ohm load) or 0...10 B			
Synchronization input	no	opto-isolated			
Logical outputs	two outputs, NPN: 100 mA max; 40 V max				
Indication	no	two-color LED (red/green)			
Power Supply, V	12...36				
Power consumption, W	0,75				
Enclosure rating	IP67			IP50	
Operating temperature, °C	-40...+50			-10...+50	
Weight (without cable), g	110		110	150	180

OVERALL DIMENSIONS. RF25x



EXAMPLE OF DESIGNATION WHEN ORDERING

RF25X-L-D-UART-EncDxAN-IN-LOUT-M

Symbol	Description
X	Model (1 or 6)
L	Measurement range, mm
D	Resolution, μm
UART	Type of the serial interface (RS232, 232 or RS485 and SSI, 485)
EncDx	Period of quadrature signal, EncD5 – 5 μm , EncD10 – 10 μm
AN	Attribute showing the presence of Current Loop (I) or Voltage (U) output
IN	Trigger input (input of synchronization) (for RF256 sensors only)
LOUT	Attribute showing the presence of 2 logical outputs
M	Cable length, m

Note: when working in the EncD mode using the SSI, as well as analog outputs is impossible.
Example: RF256-55-0.1-232-I-IN-CC-3, RF256 sensor with standard accuracy; 55 mm measurement range; 0,1 μm resolution; serial port – RS232; 4...20 mA analog output; IN – synchronization input presents; 3 m cable length.