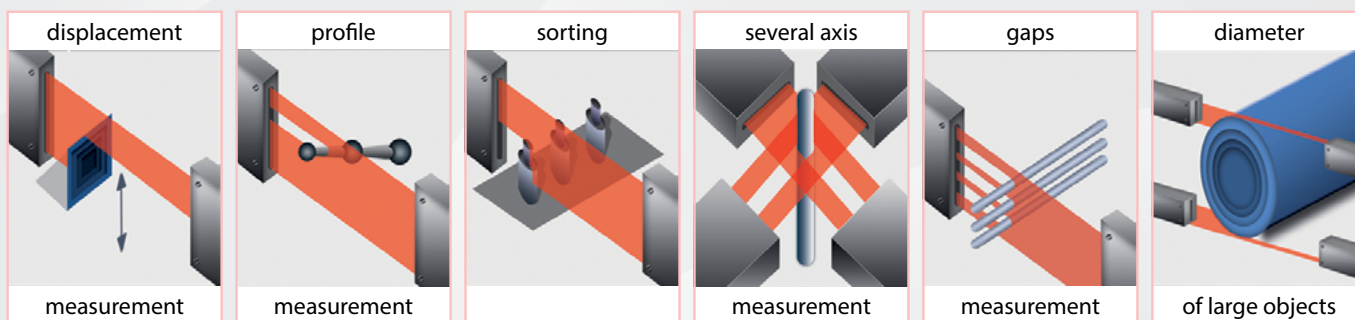




Diameter, gaps and position measurement

- Direct through beam micrometers
- Micrometers with telecentric lens
- Measuring ranges 25, 50, 75, 98 mm
 - Sampling rate up to 2000 Hz
- RS232/RS485/Ethernet +4...20 mA/0...10V
 - Multi coordinate systems



BASIC TECHNICAL DATA

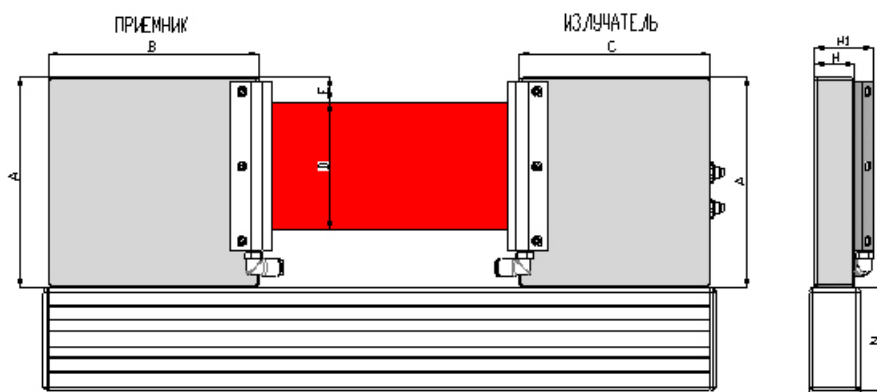
RF651-	25	50	75	100
Measurement range, mm	25	48	75	98
Minimum size of the object, mm	0.5	1	01.май	2
Accuracy ¹ , um	±5	±10	±15	±20
Max measurement frequency, Hz	2000	2000	2000	2000
Light source	LED or laser			
Laser safety class	1 (IEC60825-1)			
Output interface	digital	RS232 (max. 921,6 kbit/s) or RS485 (max. 921,6 kbit/s) or Ethernet & (RS32 or RS485)		
	analog	4...20 mA (load £ 500 Ohm) or 0...10 V		
Synchronization input	2,4 – 5 V (CMOS, TTL)			
Logic output	three outputs, NPN: 100 mA max; 40 V max			
Power supply, V	24 (9 ...36)			
Power consumption, W	1,5..2			
Environment resistance	Enclosure rating	IP67		
	Vibration	20g/10...1000Hz, 6 hours, for each of XYZ axes		
	Shock	30 g / 6 ms		
	Operation temperature, °C	-10...+60		
	Relative humidity	5-95% (no condensation)		
Housing material	aluminum			
Weight (without cable), gram	600	2000	2600	4000

¹ Typical data obtained when a knife edge was used to interrupt the beam and distance between transmitter and receiver is equal of two measurement range



OVERALL DIMENSIONS. RF651

	A, mm	B, mm	C, mm	D, mm	E, mm	H, mm	H1, mm	K, mm	N, mm
RF651-25	51	139	62	25	13	28	42,5	30	30
RF651-50	91	120	134	50	20	31	45,5	40	80
RF651-75	128	132	132	75	15	31	45,5	40	80
RF651-100	165	165	150	98	20	31	45,5	40	80

**EXAMPLE OF DESIGNATION WHEN ORDERING****RF651-X/L-SERIAL-ANALOG- LOUT- IN-CC-M-AK**

Symbol	Description
X	Measurement range, mm
L	The distance between the transmitter and receiver housings, fixed on the beam, mm
SERIAL	The type of serial interface: RS232 - 232 or RS485 - 485 or (Ethernet and RS232) – 232-ET or (Ethernet and RS485) – 485-ET
ANALOG	Attribute showing the presence of 4...20 mA (I) or 0...10V (U)
LOUT	Attribute showing the presence of 3 logical outputs
IN	Trigger input (input of synchronization) presence
CC	Cable gland - CG, or cable connector - CC
M	Cable length, m
AK	Micrometer with protect air knife for windows
Example. RF651-25/50-232-I-IN-CG-3 – measurement range – 25 mm, distance between transmitter and receiver – 50 mm, RS232 serial port, 4...20mA analog output, trigger input is available, cable connector, 3 m cable length.	