

# Photoelectric scanning head

Photoelectric scanning head CF100 together with electricity meter tester Calport100 is designed for detecting LED flashing in electricity meters. It can detect typical colors of LED: red, orange, yellow, green and infrared.

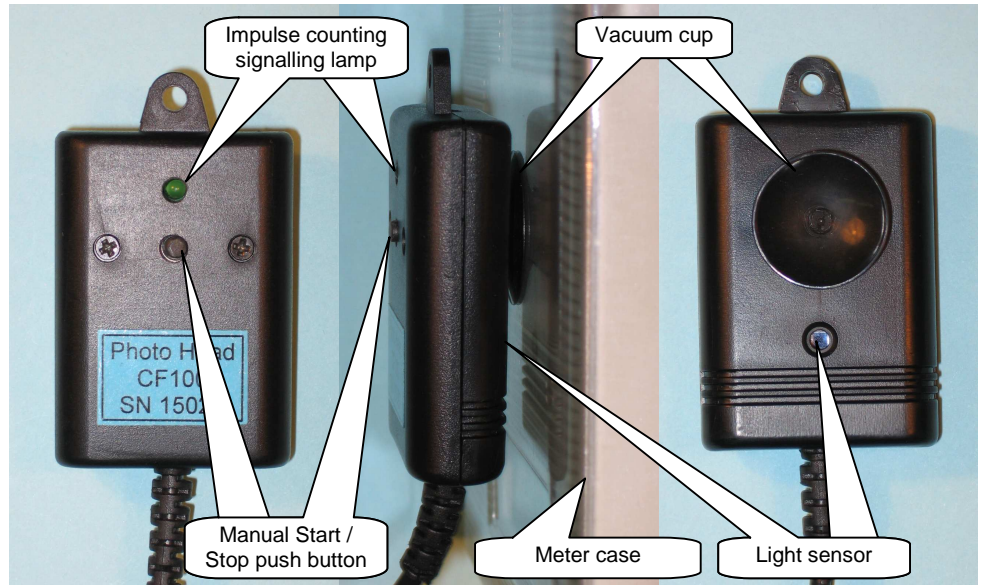


CF100

Mounting instruction and users manual:

- make the vacuum cup a little wet,
- put scanning head's vacuum cup in front of the flat part of the tested meter, in the way, that the light sensor will be in front of meter's LED,
- impulse counting signalling lamp should flash if there is no light from meter's LED and should be off in case of meter's LED flashing (impulse counting signalling lamp may not flash in case of direct sun shining or strong electric light),
- manual Start / Stop push button is designed for manual test of the scanning head circuit or „manual” turns counting of mechanical rotating disc,
- scanning head can be dismounted by means of small screwdriver pushed between vacuum cup and meter's case (attention: pulling the scanning head out by the case can destroy it).

CF100 LED Photoelectric scanning head
• LED green, ... , red and infrared
• Mounting to meter by vacuum cup
• Small dimensions and weight
• Requires no adjustment
• Additional Manual Start / Stop push button



## PARAMETERS OF THE CF100 SCANNING HEAD

Power Supply Vcc	10...30V
Supply current	typ. 20mA@12V and max 35mA
Output	voltage $U_{LO}=0...0,5V$ ; $U_{HI}=5...(V_{cc}-4)V$ $R_{OUT}=1,5k$
Sensitivity distance	0...40mm
Connector type	plug C091A T3475-001 Amphenol

PINS DESCRIPTION	
Pin	Description
1, 5	Power Supply +24V
2, 6	NC – not connected
3, 4	Ground
7	Output

