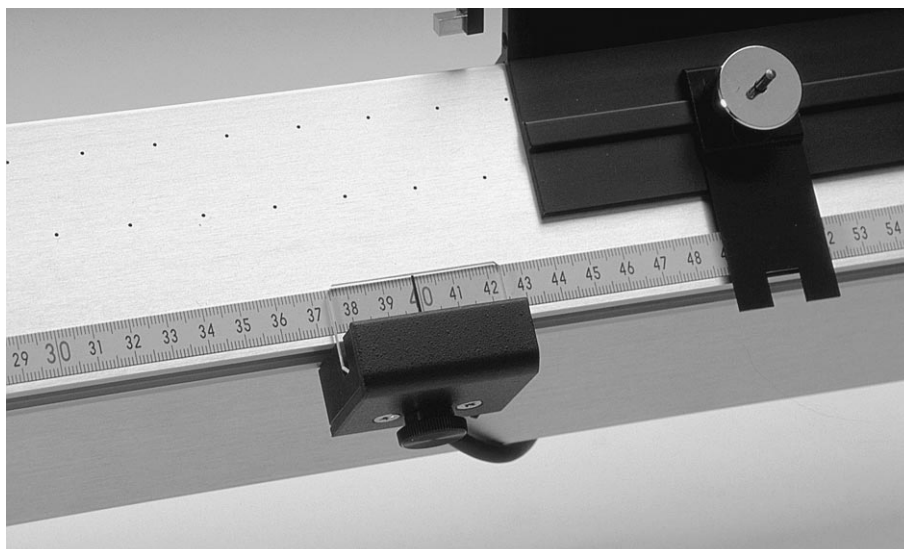


## Fotocelleenhed nr. 1975.15

13.12.10

Ac 1975.15



Fotocelleenheden kan anvendes som en optisk kontakt, der kan aktiveres ved at bryde en lysstråle. En tilsvarende funktion kan opnås, når lyset kommer igen efter at have været brudt.

Enheden er specielt konstrueret til elektronisk tæller 2002.50. Enheden passer direkte på luftpudeskinne nr. 1950.10.

Enheden leveres med forbindelsesledning, der passer direkte ind i denne tællers DIN-bøsninger.

Fotocelleenheden består af følgende dele:

### Lampehus:

Indeholdende en IR-diode, der sender lys over til fotocellen. Når et emne passerer forbi lysgabets, vil fotocellen registrere lysændringen og den tilsluttede tæller modtager en puls.

### Fotocelle:

Overfor lysdioden er anbragt en fototransistor, der danner en puls ved lysændringer.

På fotocelleenheden er monteret en lysdiode, der slukker når lysstrålen afbrydes af et forbipasserende emne.

### Tekniske data:

*Fototransistor:*

Rise/Fall time: 5,0  $\mu$ s.

*Diode:*

Lys: IR

Dimension:

L x H x B:  
57 x 50 x 45 mm

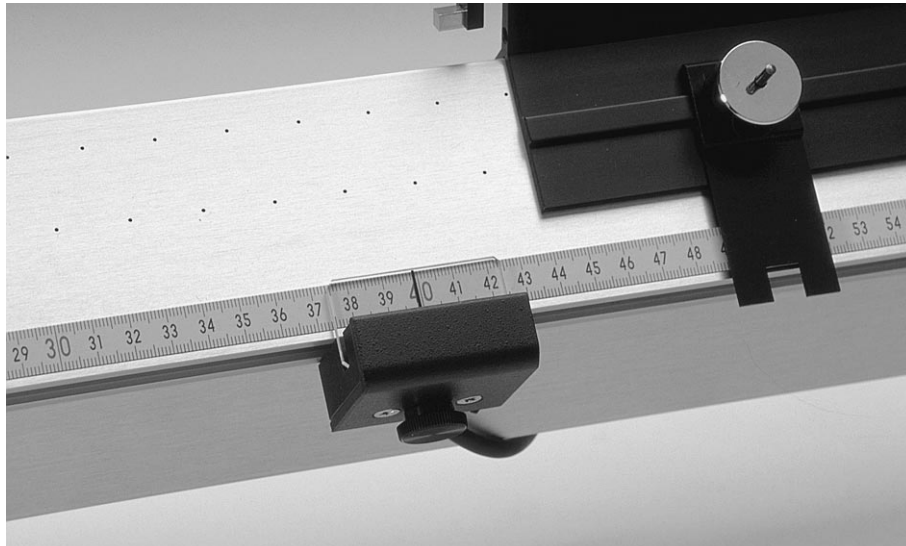
Max. lysgab:

5 mm

## Photocell-Unit no. 1975.15

13.12.10

Ac 1975.15



The photocell can be described as an optical switch which is activated when the light beam is blocked. The photocell may also be activated when the light beam again is uninterrupted.

The unit designed especially to work with the electronic Counter no. 2002.50.

The unit is delivered complete with a cable for connection to the input terminals of the counter and is fit directly for use with Air Track no. 1950.10.

The Photocell-Unit comprises a "lamp-housing" and a photocell:

### Lamp-housing:

A powerful IR-diode is placed inside the "lamp-housing" behind a convex lens focusing the light beam to a focal point in between the "lamp-housing" and the photocell. Equipped with DIN input terminal for connection to a Counter.

### Photocell:

A phototransistor is placed opposite the IR-diode. As light changes pulses are born.

The Photocell-unit is supplied with a LED, and this turns light off when a subject breaks the light beam of the photocell-unit.

### Technical Specifications:

#### Phototransistor:

Rise/Fall time: 5,0  $\mu$ s.

#### Diode:

Light: IR

Dimension: L x H x B:  
57 x 50 x 45 mm

Max. lightgap: 5 mm