

NEW

OMRON

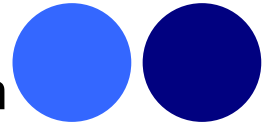
# Temperaturbeständige Linse

E39-F16

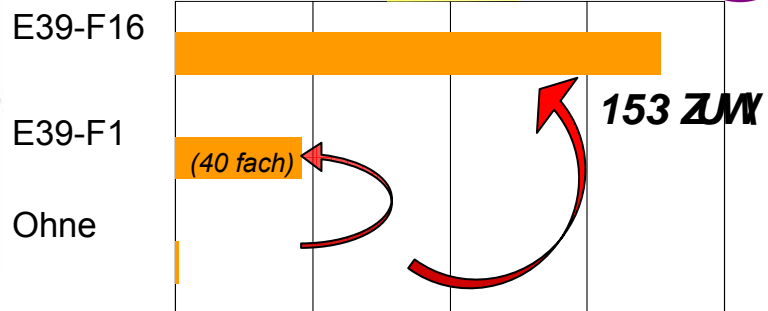
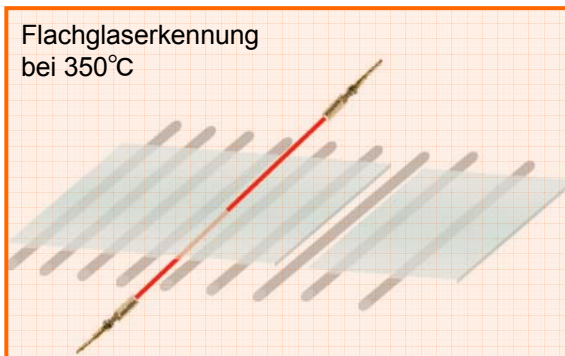


Hochtemperatur resistent bis 350 Grad

Hohe Reichweiten bei Einweglichtschranken



3.8 fache Reichweite der E39-F1 Linse



## Bestellinformation

Modell	
E39-F16	Temperaturbereich bis 350°C

## Verwendbare Lichtleiter

Modell	Merkmal (Temperaturbereich)	Reichweite (Einheit: mm)				
		Tough mode	High-resolution mode	Standard mode	High-speed mode	Super-high-speed mode
E32-T61-S 2M	350°C	4,000 *1	4,000 *1	4,000 *1	4,000 *1	3,100
E32-T81R-S 2M	200°C	4,000 *1	4,000 *1	4,000 *1	4,000 *1	1,800
E32-T51 2M	150°C	4,000 *1	4,000 *1	4,000 *1	4,000 *1	4,000 *2
E32-T51R 5M	100°C	10,000 *2	10,000 *2	7,300	5,100	2,000
E32-TC200 2M	70°C	4,000 *1	4,000 *1	4,000 *1	4,000 *1	4,000 *1
E32-T11R 5M		10,000 *2	10,000 *2	9,800	6,500	2,450
E32-T11N 5M		10,000 *2	10,000 *2	10,000 *2	7,800	3,100
E32-T11 5M		10,000 *2	10,000 *2	10,000 *2	7,800	3,100
E32-T11U 5M		10,000 *2	10,000 *2	10,000 *2	7,800	3,100

\*1. Der Lichtleiter ist auf jeder Seite 2 m lang, somit ist die Reichweite 4,000 mm.

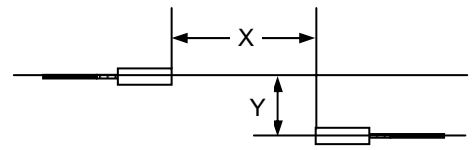
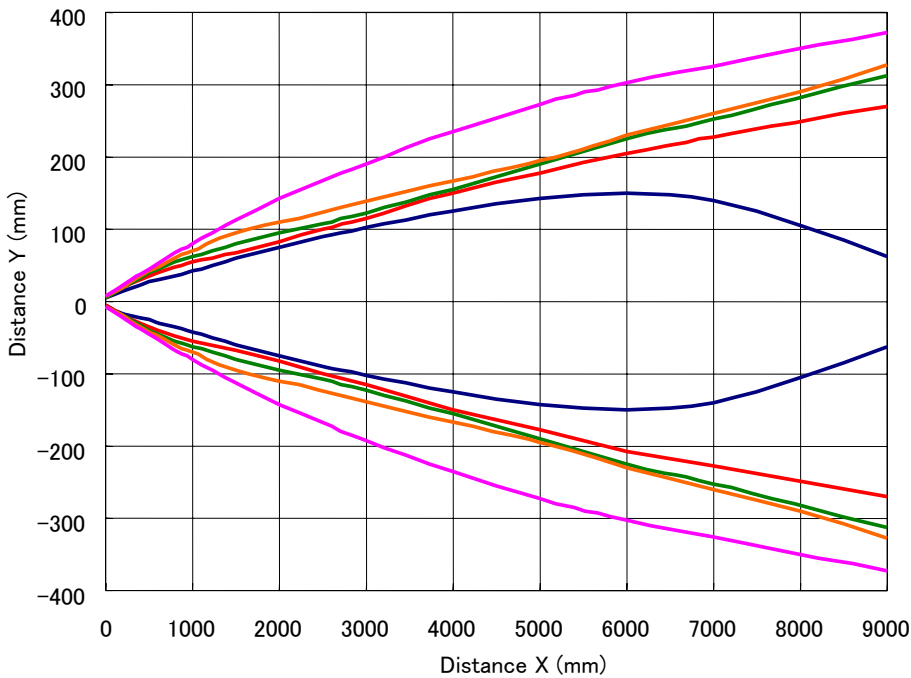
\*2. Der Lichtleiter ist auf jeder Seite 5 m lang, somit ist die Reichweite 10,000 mm.

realizing

# Kennwerte (typisch)

## Reichweite

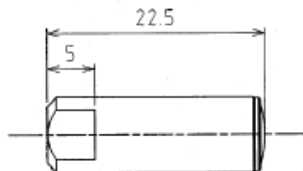
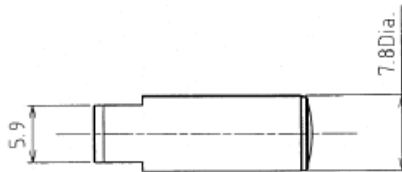
E3X-DA51-S+E32-T11R 5M+E39-F16



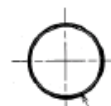
- Super-high-speed model
- High-speed mode
- Standard model
- High-resolution mode
- Tough mode

## Abmessungen

(Einheit: mm)



M 4 × 0.7 DEPTH 6



LENS SURFACE.  
(LENS DIMENSION 7.2 Dia.)

### OMRON Corporation

Industrial Automation Company  
Sensing Devices Division H.Q.  
Industrial Sensors Division  
Shiokoji Horikawa, Shimogyo-ku,  
Kyoto, 600-8530 Japan  
Tel: (81)75-344-7022/Fax: (81)75-344-7107

### Regional Headquarters

OMRON EUROPE B.V.  
Sensor Business Unit  
Carl-Benz-Str. 4, D-71154 Nufringen,  
Germany  
Tel: (49) 7032-811-0/Fax: (49) 7032-811-199

### OMRON ELECTRONICS LLC

One Commerce Drive Schaumburg,  
IL 60173-5302 U.S.A.  
Tel: (1) 847-843-7900/Fax: (1) 847-843-7787

### OMRON ASIA PACIFIC PTE. LTD.

No. 438A Alexandra Road # 05-05/08 (Lobby 2),  
Alexandra Technopark, Singapore 119967  
Tel: (65) 6835-3011/Fax: (65) 6835-2711

### OMRON (CHINA) CO., LTD.

Room 2211, Bank of China Tower,  
200 Yin Cheng Zhong Road,  
PuDong New Area, Shanghai, 200120, China  
Tel: (86) 21-5037-2222/Fax: (86) 21-5037-2200

### Authorized Distributor:

© OMRON Corporation 2008. All Rights Reserved.  
In the interest of product improvement,  
specifications are subject to change without notice.

NEW

# OMRON

## Lens unit with variable beam spot

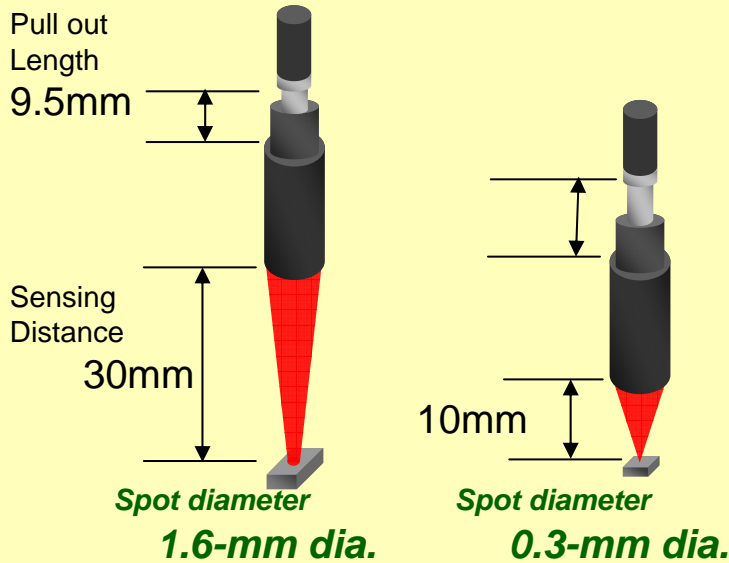
### E39-F17



### A Unit detects several sized object.

Easy to adjust a spot size for the size of the work-piece.  
Few working time to change the spot size.

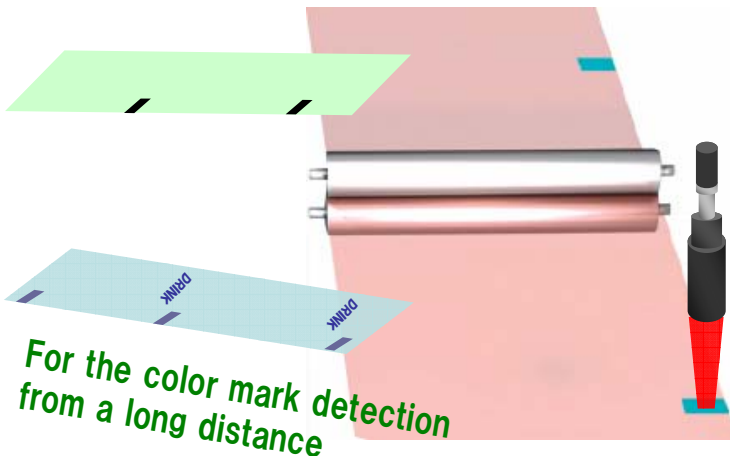
The spot diameter is changed by only adjusting pull out length and sensing distance.



< Combination of the lens unit and E32-C42 >

1. Detects any size of work-piece.
2. Detects a small object from a long distance.

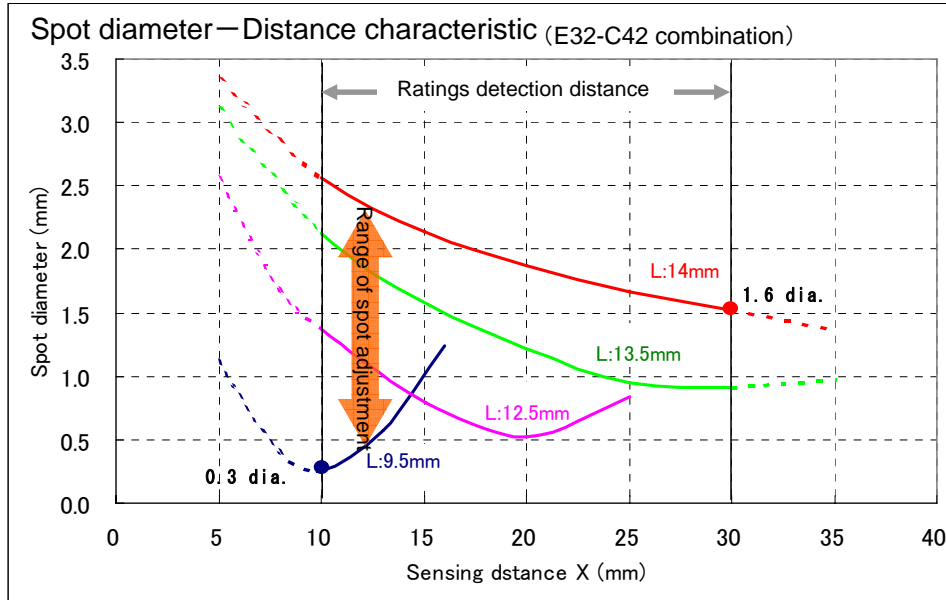
For detection passage of parts and Discrimination of two sides of parts.



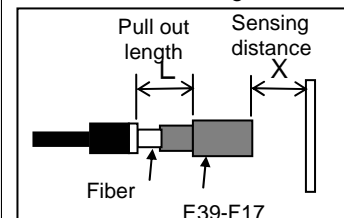
realizing

Model	Spot diameter	Sensing distance (unit: mm)	Bend radius (unit: mm)
E32-C42 1M + E39-F17 <b>NEW</b>	About 0.3 to 1.6mm dia.	10 to 30mm	R25
E32-D32 2M + E39-F17 <b>NEW</b> <small>Free-cut</small>	About 0.7 to 3.0mm dia.		

## Property data (example of representative)



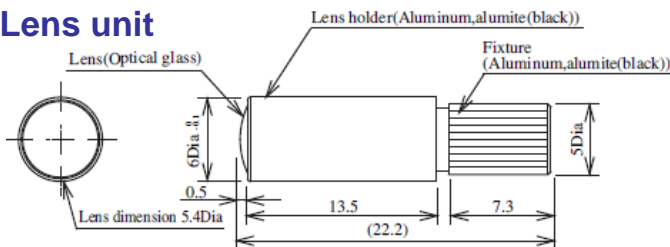
< Measurement image >



## Dimensions

(unit: mm)

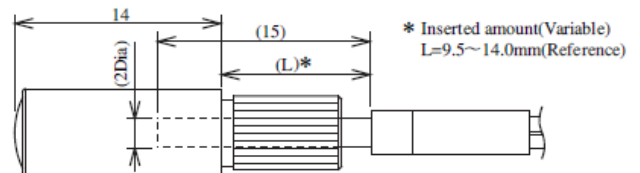
### Lens unit



### Image of appearance

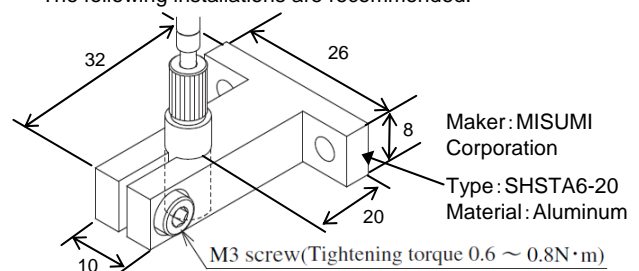


### Fiber units combination



### Recommended installation method

The following installations are recommended.



\* Fixing with the locking screw, adjust the tightening torque to 0.2 N·m max. (M3 screw)

### OMRON Corporation

Industrial Automation Company  
Sensing Devices Division H.Q.  
Industrial Sensors Division  
Shiokoji Horikawa, Shimogyo-ku,  
Kyoto, 600-8530 Japan  
Tel: (81)75-344-7022/Fax: (81)75-344-7107

### Regional Headquarters

OMRON EUROPE B.V.  
Sensor Business Unit  
Carl-Benz-Str. 4, D-71154 Nufringen,  
Germany  
Tel: (49) 7032-811-0/Fax: (49) 7032-811-199

### OMRON ELECTRONICS LLC

One Commerce Drive Schaumburg,  
IL 60173-5302 U.S.A.  
Tel: (1) 847-843-7900/Fax: (1) 847-843-7787

### OMRON ASIA PACIFIC PTE. LTD.

No. 438A Alexandra Road # 05-05/08 (Lobby 2),  
Alexandra Technopark, Singapore 119967  
Tel: (65) 6835-3011/Fax: (65) 6835-2711

### OMRON (CHINA) CO., LTD.

Room 2211, Bank of China Tower,  
200 Yin Cheng Zhong Road,  
PuDong New Area, Shanghai, 200120, China  
Tel: (86) 21-5037-2222/Fax: (86) 21-5037-2200

### Authorized Distributor:

© OMRON Corporation 2008 All Rights Reserved.  
In the interest of product improvement,  
specifications are subject to change without notice.

NEW

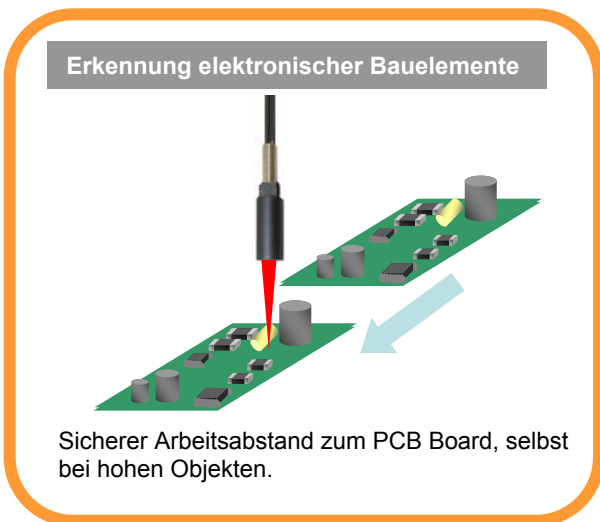
OMRON

Linse

E39-F18

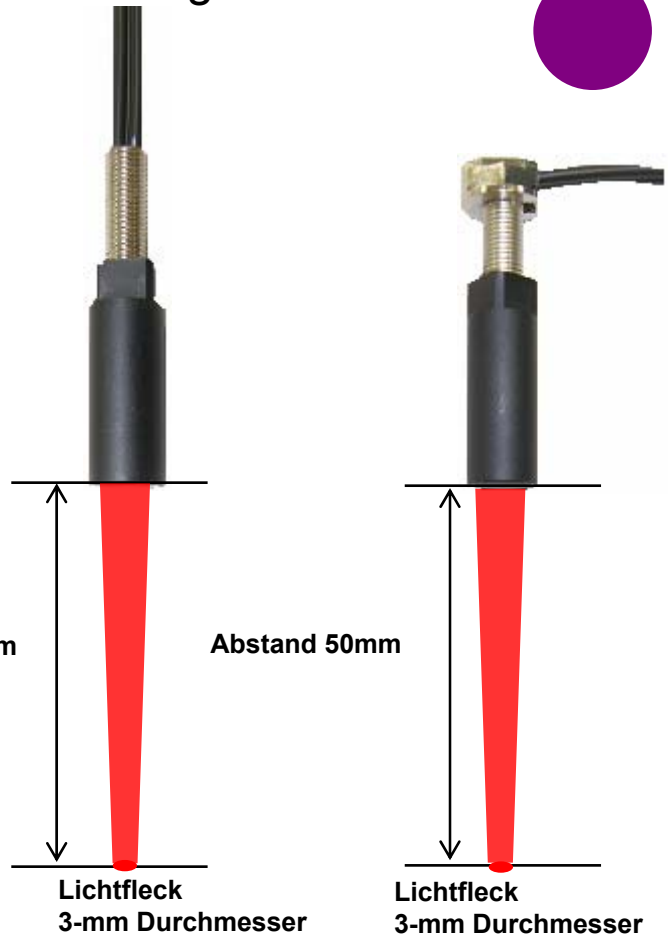


Linse für koaxiale M6 Lichtleitertaster  
Zum Erkennen von kleinen Objekten bei großem Abstand



Abstand 50mm

Abstand 50mm



Lichtfleck  
3-mm Durchmesser

Lichtfleck  
3-mm Durchmesser

E39-F18+E32-CC200

E39-F18+E32-C11N

## Bestellinformation

Modell	Lichtfleckdurchm.
E39-F18	3-mm Durchm. (Abstand: 50mm)

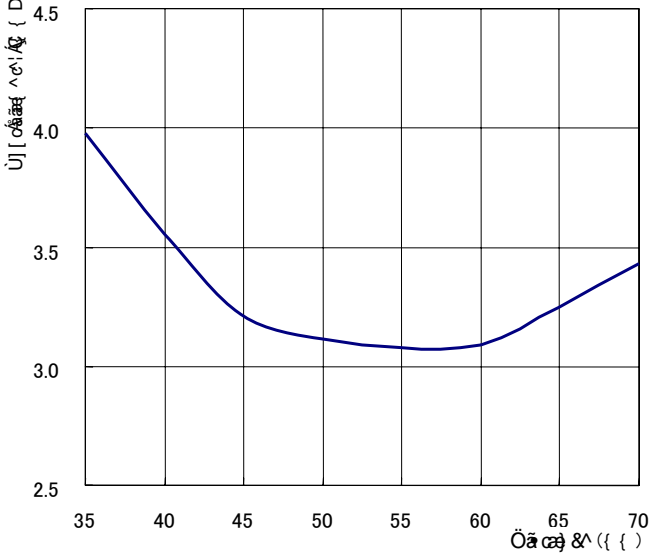
## Verwendbare Lichtleiter

Lichtleiter	Biegeradius (mm)	Merkmal
E32-CC200 2M	R25	M6 Schraube
E32-CC200R 2M	R4	
E32-C11N 2M		M6 Rechtwinklig

realizing

# ? Ybbk Yf hY' (tm]gW )

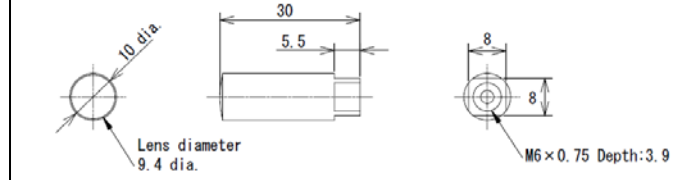
@W hdi b\_hXi fW a YggYf' ni '5 fVY]rgUVghUbX  
 ÖHYÖÖE□EÜ + ÖHGÖÖÖGEE



# 5 Va Ygi b[ Yb (@bgY)

( : { } )

ÖHUËZFI



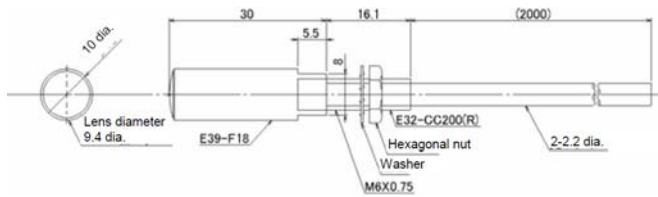
5 bgjW h



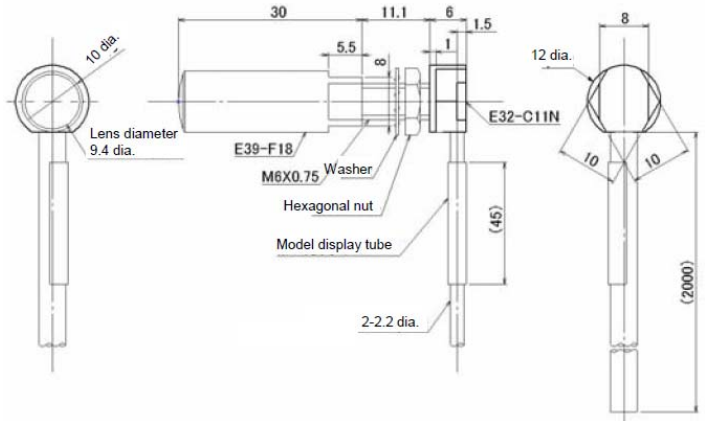
# 5 Va Yggi b[ Yb' (]b\_`i gj] Y' @W hY]hYf)

(Einheit: { }

ÖHUËZFI + ÖHGÖÖÖGEE  
 ÖHUËZFI + ÖHGÖÖÖGEEÜ



ÖHUËZFI + ÖHGÖÖFFP



## OMRON Corporation

Industrial Automation Company

Sensing Devices Division H.Q.

Industrial Sensors Division

Shiokoji Horikawa, Shimogyo-ku,

Kyoto, 600-8530 Japan

Tel: (81)75-344-7022/Fax: (81)75-344-7107

## Regional Headquarters

OMRON EUROPE B.V.

Sensor Business Unit

Carl-Benz-Str. 4, D-71154 Nufringen,

Germany

Tel: (49) 7032-811-0/Fax: (49) 7032-811-199

## OMRON ELECTRONICS LLC

One Commerce Drive Schaumburg,

IL 60173-5302 U.S.A.

Tel: (1) 847-843-7900/Fax: (1) 847-843-7787

## OMRON ASIA PACIFIC PTE. LTD.

No. 438A Alexandra Road # 05-05/08 (Lobby 2),

Alexandra Technopark, Singapore 119967

Tel: (65) 6835-3011/Fax: (65) 6835-2711

## OMRON (CHINA) CO., LTD.

Room 2211, Bank of China Tower,

200 Yin Cheng Zhong Road,

PuDong New Area, Shanghai, 200120, China

Tel: (86) 21-5037-2222/Fax: (86) 21-5037-2200

## Authorized Distributor:

© OMRON Corporation 2008 All Rights Reserved.  
 In the interest of product improvement,  
 specifications are subject to change without notice.