

## Two-wire/Plug-in Sensor



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# Toxic Gas Transmitters

models TX-[ \* ]DP-A/TX-[ \* ]DP-D/TX-[ \* ]DP-N



- Plug-in Sensor for Easy Replacement and refilling Electrolyte
- Renewable Sensors for Low-cost Operation
- One-man calibration
- **Low power consumption**



Bionics offers simple, compact yet complete toxic gas detecting systems with the TX-(\*)DP-A/DP-D/DP-N transmitter series.

The Bionics toxic gas sensors, to be used in combination with the TX-(\*)DP-A/DP-D/DP-N transmitters, are gas-specific, stable and available for a wide range of different gases. Since the sensors are refreshed periodically by replacing the electrolyte and membranes, the running cost is kept low sensors which compared to require frequent replacement.

Furthermore, sensor is new plug-in type which provides easy replacement after changing membrane and electrolyte.

\* 3 or 4 digits gas code number as same as sensor model number which indicate in the Measuring gas name and range on next page.

### Measuring gas name and range

Sensor model	Gas name	Range (ppm)	Sensor model	Gas name	Range (ppm)
GS-160DP	Cl <sub>2</sub>	0-1.5	GS-1551DP	H <sub>2</sub>	0-4000
GS-260DP	H <sub>2</sub> S	0-30	GS-1680DP	CH <sub>3</sub> COOH	0-30
GS-360DP	HCN	0-30	GS-1750DP	NO <sub>2</sub>	0-9
GS-480DP	HCI	0-6	GS-2460DP	NH <sub>3</sub>	0-75
GS-780DP	HF	0-9	GS-2460DP	Amine	0-75
GS-960DP	$Br_2, I_2$	0-3	GS-3480DP	Chloride	0-6
GS-1461DP	F <sub>2</sub>	0-3	GS-3780DP	Fluoride	0-9

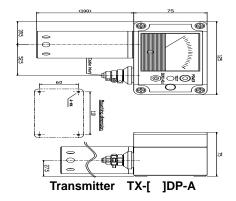


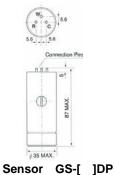
Above table indicates typical sensor model, gas name and standard range. When you need different gases information, feel free to contact Bionics Instrument group below.

#### **Specifications**

Transmitter model	TX-[*]DP-A	TX-[*]DP-D	TX-[*])DP-N		
Detecting principle	Electrochemical				
Response	T60 < 30 sec				
Accuracy	± 30% of alarm setting amount (min. 1/4 F.S.)				
Display	Analog	Digital	Non		
Sampling style	Diffusion, Continuous, Single point				
Mounting style	Wall mount				
Operating temperature	0 ~ 40°C				
Explosion proof	Non				
Power requirement	24 V DC (2 wire system)				
Power consumption	ion Approx. 1 W				
Dimension	Approx. 125(W) x 175(H) x 75(D) mm				
Weight	Approx. 1 kg				

#### **External view & Dimensions**





Unit :mm

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m *We}$  reserve the right to change specifications without notice.

**Bionics Instrument Co., Ltd.** 

6-1254-2 Shimizu, Higashi-yamato, Tokyo, 207-0004 Japan TEL: +81-42-561-4856 FAX: +81-42-565-3950 e-mail: trade@bionics-japan.co.jp

BESTOBELL AQUATRONIX

Head Office 2880 Argentia Road, Unit 3 Mississauga, ON L5N 7X8 salesdesk@bestobell.com 1-800-668-3979 www.bestobell.com Montréal Office 970 Montée de Liesse, #204 St.Laurent, QC H4T 1W7 ventes@bestobell.com 1-877-331-1225

Atlantic Office 166 North Side Road Riverport, NS BOJ 2W0 dmossman@bestobell.com 902-529-0355