

Philippines-Japan Environment week (SESSION 2: Air Quality Management)



Air Quality Monitoring Technology

HORIBA, Ltd

KOBAYASHI Takeshi

2025/1/14

Overview

- **Line of Business** R&D, Manufacturing, Sales, Services of analysis and measurement equipment
- **Head Office** Kyoto, Japan
- **Founded** October 17, 1945
- **Incorporated** January 26, 1953
- **Net sales** 290.5 BJPY (FY2023)
- **Number of Employees** 8,665 (FY2023)
- **Chairman & Group CEO** Atsushi Horiba
- **Fiscal Year End** December 31



Atsushi Horiba

Mid-Long Term Management Plan MLMAP2028 – “MAXIMIZE VALUE”

MLMAP2023
(2019-2023)

MLMAP2028
(2024-2028)

「MAXIMIZE VALUE」

Automotive

Process &
Environment

Medical

Semiconductor

Scientific

HORIBARIANs

Energy &
Environment

Bio &
Healthcare

Materials &
Semiconductor

Sustainability

- Group HR strategy to maximize HORIBARIANs' potential
- Sustainability strategy to create social impact
- Business strategy to solve social issues in three focus fields (Field Operation)

Vision

Joy and fun
for All

Mission

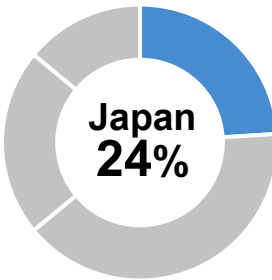
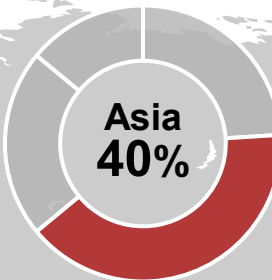
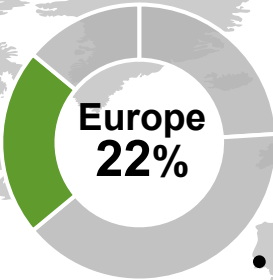
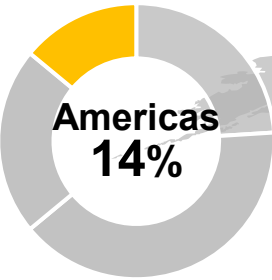
Shape
our future
based on
HONMAMON
and diversity

*HORIBARIAN: Naming of all employees in HORIBA Group. We call so regarding us as same family

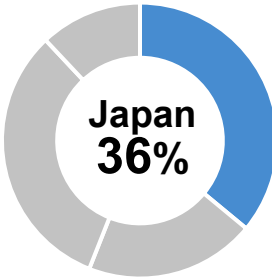
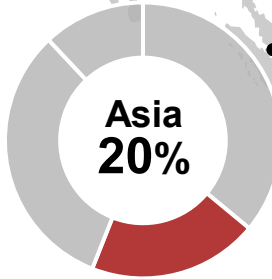
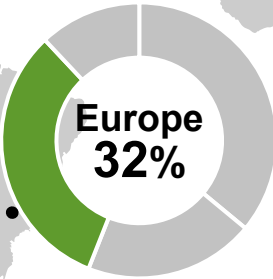
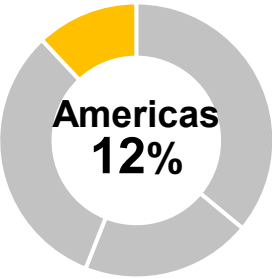
Global Network

Sales by region (as of Dec 2023)

● : Major business hubs



Employee headcount by region (as of Dec 2023)



Number of companies
(as of Dec 31, 2023)

50



Overseas sales ratio
(as of Dec 31, 2023)

76%



Foreign employee ratio
(as of Dec 31, 2023)

64%

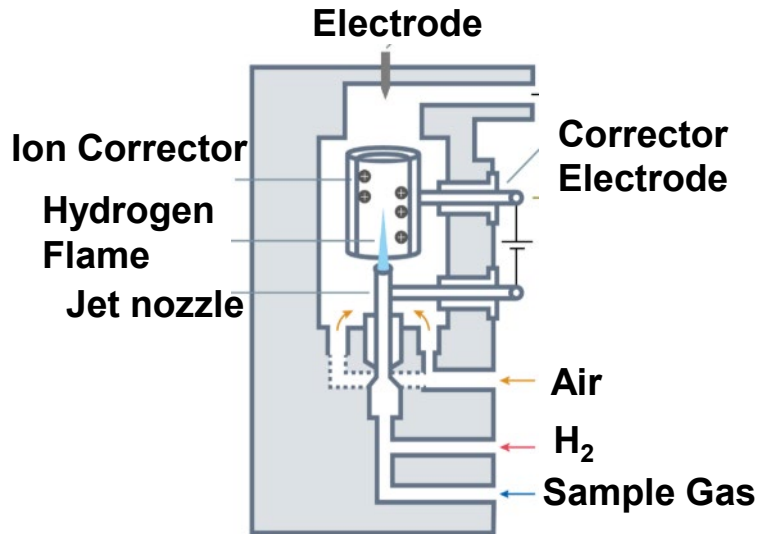
VOC Monitoring Technology



HORIBA APHA-380

- VOC monitoring for Ambient
- VOC monitoring after VOC removal

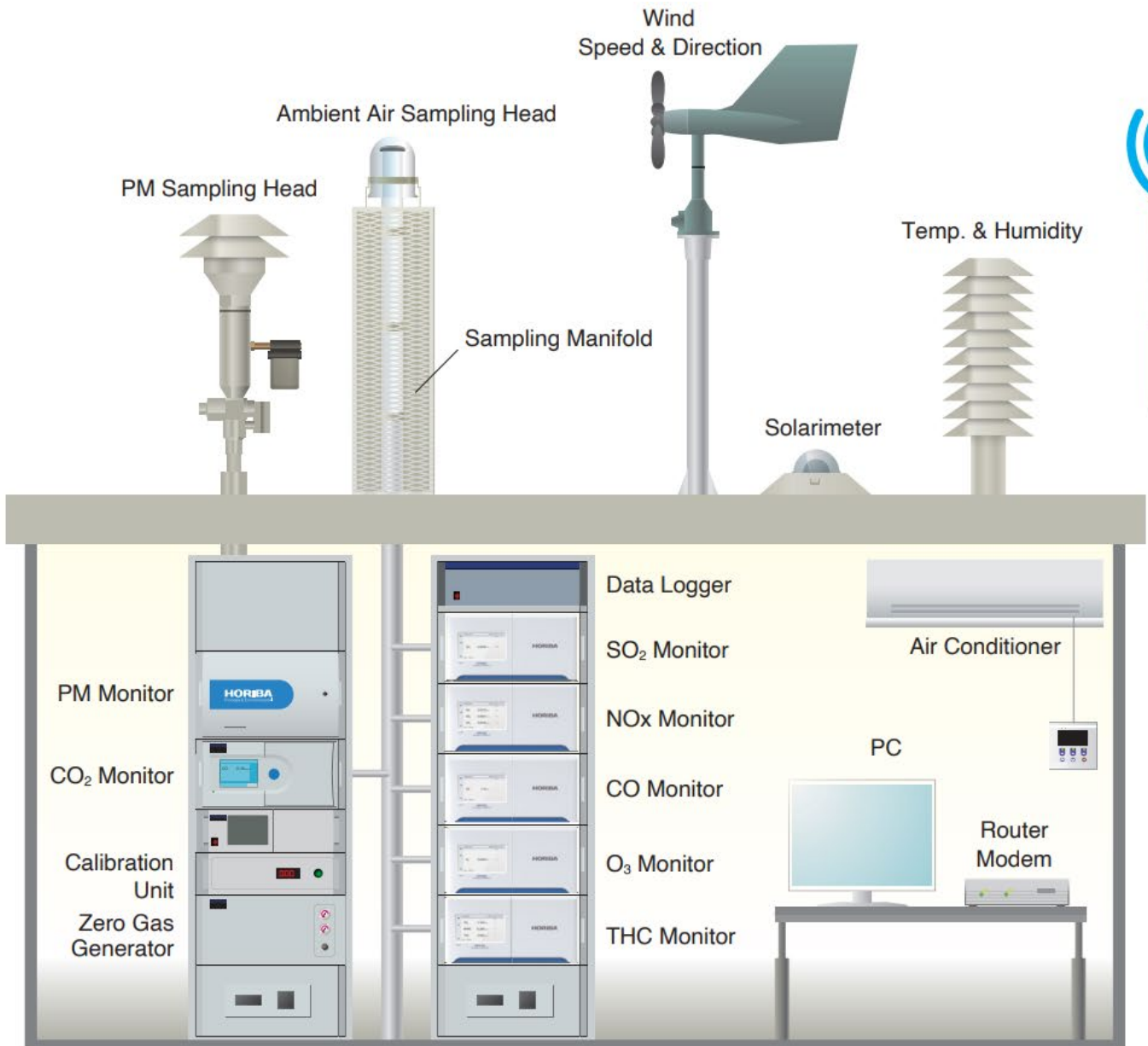
FID(Flame Ionization Detector) Method



Chinese Sales Experience



HORIBA Ambient Air Quality Monitoring System (AQMS)



Source Analysis PM Monitoring

- Continuous Ambient PM and Metal Monitor (PX-375)
 1. Analysis of PM mass concentration and elemental concentration for metals
 2. Monitor trends (interval of 60 minutes)
 3. Sampling and analysis completed all on site
 4. Sample on the PTFE filter can also be used for manual analysis comparison

		Detectable Elements																	
H																		He	
Li	Be											B	C	N	O	F	Ne		
Na	Mg											Al	Si	P	S	Cl	Ar		
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr		
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe		
Cs	Ba		Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn		
Fr	Ra		Rf	Ha	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Unt	Fl	Unp	Lv	Uus	Uno		
lanthanoid		La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu			
actinoid		Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr			

* ○—Standard parameters, calibrated by standard calibration materials.
 * For measurement of element concentration calibration by standard calibration materials is needed.
 * Please contact separately about elements, marked as non-detectable.



Omoshiro-okashiku
Joy and Fun



Terima kasih
谢谢
Gracias
Danke
Tack ska du ha
Grazie
Danke
Σας ευχαριστώ πάρα πολύ
धन्यवाद
شُكْرًا
THANK YOU
ขอบคุณครับ
Большое спасибо
Obbrigado
ありがとうございました
Dziękuję
Cảm ơn
Merci
감사합니다

HORIBA

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