

# Global Multi-Parameter Water Quality Analyzer Market Status, Trends and COVID-19 Impact Report 2022

https://marketpublishers.com/r/GD84A7BBBAD8EN.html

Date: February 2023

Pages: 115

Price: US\$ 2,350.00 (Single User License)

ID: GD84A7BBBAD8EN

#### **Abstracts**

In the past few years, the Multi-Parameter Water Quality Analyzer market experienced a huge change under the influence of COVID-19 and Russia-Ukraine War, the global market size of Multi-Parameter Water Quality Analyzer reached XXX million \$ in 2022 from XXX in 2017 with a CAGR of XXX from 2017-2022. Facing the complicated international situation, the future of the Multi-Parameter Water Quality Analyzer market is full of uncertain. BisReport predicts that the global Multi-Parameter Water Quality Analyzer market size will reach XXX million \$in 2028 with a CAGR of xx% from 2022-2028.

Since the outbreak of COVID-19, the world economy continues to suffer from a series of destabilizing shocks, many companies experienced bankruptcy and a sharp decline in turnover. After more than two years of pandemic, global economy began to recover, entering 2022, the Russian Federation's invasion of Ukraine and its global effects on commodity markets, supply chains, inflation, and financial conditions have steepened the slowdown in global growth. In particular, the war in Ukraine is leading to soaring prices and volatility in energy markets, with improvements in activity in energy exporters more than offset by headwinds to activity in most other economies. The invasion of Ukraine has also led to a significant increase in agricultural commodity prices, which is exacerbating food insecurity and extreme poverty in many emerging market and developing economies.

Numerous risks could further derail what is now a precarious recovery. Among them is, in particular, the possibility of stubbornly high global inflation accompanied by tepid growth, reminiscent of the stagflation of the 1970s. This could eventually result in a sharp tightening of monetary policy in advanced economies to rein in inflation, lead to surging borrowing costs, and possibly culminate in financial stress in some emerging



market and developing economies. A forceful and wide-ranging policy response is required by policy makers in these economies and the global community to boost growth, bolster macroeconomic frameworks, reduce financial vulnerabilities, provide support to vulnerable population groups, and attenuate the long-term impacts of the global shocks of recent years.

In this complex international situation, BisReport published Global Multi-Parameter Water Quality Analyzer Market Status, Trends and COVID-19 Impact Report 2022, which provides a comprehensive analysis of the global Multi-Parameter Water Quality Analyzer market, This Report covers the manufacturer data, including: sales volume, price, revenue, gross margin, business distribution etc., these data help the consumer know about the competitors better. This report also covers all the regions and countries of the world, which shows the regional development status, including market size, volume and value, as well as price data. Besides, the report also covers segment data, including: type segment, application segment, channel segment etc. historic data period is from 2017-2022, the forecast data from 2023-2028.

Section 1: 100 USD——Market Overview

Section (2 3): 1200 USD——Manufacturer Detail

**HACH** 

**Xylem** 

ABB

**Emerson** 

Thermo Scientific

Honeywell

SUEZ (GE)

Endress+Hauser

Yokogawa

Horiba

Metrohm

**SWAN** 

**Focused Photonics** 

Omega

Lovibond

Myron L Company

LaMatte

Lianhua Technology

Shanghai REX Instrument



#### **Analytical Technology**

Section 4: 900 USD—Region Segment
North America (United States, Canada, Mexico)
South America (Brazil, Argentina, Other)
Asia Pacific (China, Japan, India, Korea, Southeast Asia)
Europe (Germany, UK, France, Spain, Russia, Italy)
Middle East and Africa (Middle East, South Africa, Egypt)

Section (5 6 7): 700 USD——
Product Type Segment
Portable
Benchtop

Application Segment
Laboratory
Industrial
Government

Channel Segment (Direct Sales, Distribution Channel)

Section 8: 500 USD—Market Forecast (2023-2028)

Section 9: 600 USD——Downstream Customers

Section 10: 200 USD——Raw Material and Manufacturing Cost

Section 11: 500 USD——Conclusion

Section 12: Research Method and Data Source



#### **Contents**

### SECTION 1 MULTI-PARAMETER WATER QUALITY ANALYZER MARKET OVERVIEW

- 1.1 Multi-Parameter Water Quality Analyzer Market Scope
- 1.2 COVID-19 Impact on Multi-Parameter Water Quality Analyzer Market
- 1.3 Global Multi-Parameter Water Quality Analyzer Market Status and Forecast Overview
  - 1.3.1 Global Multi-Parameter Water Quality Analyzer Market Status 2017-2022
  - 1.3.2 Global Multi-Parameter Water Quality Analyzer Market Forecast 2023-2028
- 1.4 Global Multi-Parameter Water Quality Analyzer Market Overview by Region
- 1.5 Global Multi-Parameter Water Quality Analyzer Market Overview by Type
- 1.6 Global Multi-Parameter Water Quality Analyzer Market Overview by Application

### SECTION 2 GLOBAL MULTI-PARAMETER WATER QUALITY ANALYZER MARKET MANUFACTURER SHARE

- 2.1 Global Manufacturer Multi-Parameter Water Quality Analyzer Sales Volume
- 2.2 Global Manufacturer Multi-Parameter Water Quality Analyzer Business Revenue
- 2.3 Global Manufacturer Multi-Parameter Water Quality Analyzer Price

### SECTION 3 MANUFACTURER MULTI-PARAMETER WATER QUALITY ANALYZER BUSINESS INTRODUCTION

- 3.1 HACH Multi-Parameter Water Quality Analyzer Business Introduction
- 3.1.1 HACH Multi-Parameter Water Quality Analyzer Sales Volume, Price, Revenue and Gross margin 2017-2022
  - 3.1.2 HACH Multi-Parameter Water Quality Analyzer Business Distribution by Region
  - 3.1.3 HACH Interview Record
  - 3.1.4 HACH Multi-Parameter Water Quality Analyzer Business Profile
  - 3.1.5 HACH Multi-Parameter Water Quality Analyzer Product Specification
- 3.2 Xylem Multi-Parameter Water Quality Analyzer Business Introduction
- 3.2.1 Xylem Multi-Parameter Water Quality Analyzer Sales Volume, Price, Revenue and Gross margin 2017-2022
  - 3.2.2 Xylem Multi-Parameter Water Quality Analyzer Business Distribution by Region
  - 3.2.3 Interview Record
  - 3.2.4 Xylem Multi-Parameter Water Quality Analyzer Business Overview
  - 3.2.5 Xylem Multi-Parameter Water Quality Analyzer Product Specification



- 3.3 Manufacturer three Multi-Parameter Water Quality Analyzer Business Introduction
- 3.3.1 Manufacturer three Multi-Parameter Water Quality Analyzer Sales Volume, Price, Revenue and Gross margin 2017-2022
- 3.3.2 Manufacturer three Multi-Parameter Water Quality Analyzer Business Distribution by Region
  - 3.3.3 Interview Record
- 3.3.4 Manufacturer three Multi-Parameter Water Quality Analyzer Business Overview
- 3.3.5 Manufacturer three Multi-Parameter Water Quality Analyzer Product Specification
- 3.4 Manufacturer four Multi-Parameter Water Quality Analyzer Business Introduction
- 3.4.1 Manufacturer four Multi-Parameter Water Quality Analyzer Sales Volume, Price, Revenue and Gross margin 2017-2022
- 3.4.2 Manufacturer four Multi-Parameter Water Quality Analyzer Business Distribution by Region
  - 3.4.3 Interview Record
- 3.4.4 Manufacturer four Multi-Parameter Water Quality Analyzer Business Overview
- 3.4.5 Manufacturer four Multi-Parameter Water Quality Analyzer Product Specification 3.5
- 3.6

## SECTION 4 GLOBAL MULTI-PARAMETER WATER QUALITY ANALYZER MARKET SEGMENT (BY REGION)

- 4.1 North America Country
- 4.1.1 United States Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.1.2 Canada Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.1.3 Mexico Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.2 South America Country
- 4.2.1 Brazil Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.2.2 Argentina Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.3 Asia Pacific
- 4.3.1 China Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.3.2 Japan Multi-Parameter Water Quality Analyzer Market Size and Price Analysis



#### 2017-2022

- 4.3.3 India Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.3.4 Korea Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.3.5 Southeast Asia Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.4 Europe Country
- 4.4.1 Germany Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.4.2 UK Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.4.3 France Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.4.4 Spain Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.4.5 Russia Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.4.6 Italy Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.5 Middle East and Africa
- 4.5.1 Middle East Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.5.2 South Africa Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.5.3 Egypt Multi-Parameter Water Quality Analyzer Market Size and Price Analysis 2017-2022
- 4.6 Global Multi-Parameter Water Quality Analyzer Market Segment (By Region) Analysis 2017-2022
- 4.7 Global Multi-Parameter Water Quality Analyzer Market Segment (By Country) Analysis 2017-2022
- 4.8 Global Multi-Parameter Water Quality Analyzer Market Segment (By Region) Analysis

# SECTION 5 GLOBAL MULTI-PARAMETER WATER QUALITY ANALYZER MARKET SEGMENT (BY PRODUCT TYPE)

- 5.1 Product Introduction by Type
  - 5.1.1 Portable Product Introduction



- 5.1.2 Benchtop Product Introduction
- 5.2 Global Multi-Parameter Water Quality Analyzer Sales Volume (by Type) 2017-2022
- 5.3 Global Multi-Parameter Water Quality Analyzer Market Size (by Type) 2017-2022
- 5.4 Different Multi-Parameter Water Quality Analyzer Product Type Price 2017-2022
- 5.5 Global Multi-Parameter Water Quality Analyzer Market Segment (By Type) Analysis

### SECTION 6 GLOBAL MULTI-PARAMETER WATER QUALITY ANALYZER MARKET SEGMENT (BY APPLICATION)

- 6.1 Global Multi-Parameter Water Quality Analyzer Sales Volume (by Application) 2017-2022
- 6.2 Global Multi-Parameter Water Quality Analyzer Market Size (by Application) 2017-2022
- 6.3 Multi-Parameter Water Quality Analyzer Price in Different Application Field 2017-2022
- 6.4 Global Multi-Parameter Water Quality Analyzer Market Segment (By Application) Analysis

## SECTION 7 GLOBAL MULTI-PARAMETER WATER QUALITY ANALYZER MARKET SEGMENT (BY CHANNEL)

- 7.1 Global Multi-Parameter Water Quality Analyzer Market Segment (By Channel) Sales Volume and Share 2017-2022
- 7.2 Global Multi-Parameter Water Quality Analyzer Market Segment (By Channel) Analysis

### SECTION 8 GLOBAL MULTI-PARAMETER WATER QUALITY ANALYZER MARKET FORECAST 2023-2028

- 8.1 Multi-Parameter Water Quality Analyzer Segment Market Forecast 2023-2028 (By Region)
- 8.2 Multi-Parameter Water Quality Analyzer Segment Market Forecast 2023-2028 (By Type)
- 8.3 Multi-Parameter Water Quality Analyzer Segment Market Forecast 2023-2028 (By Application)
- 8.4 Multi-Parameter Water Quality Analyzer Segment Market Forecast 2023-2028 (By Channel)
- 8.5 Global Multi-Parameter Water Quality Analyzer Price (USD/Unit) Forecast



### SECTION 9 MULTI-PARAMETER WATER QUALITY ANALYZER APPLICATION AND CUSTOMER ANALYSIS

- 9.1 Laboratory Customers
- 9.2 Industrial Customers
- 9.3 Government Customers

### SECTION 10 MULTI-PARAMETER WATER QUALITY ANALYZER MANUFACTURING COST OF ANALYSIS

- 10.1 Raw Material Cost Analysis
- 10.2 Labor Cost Analysis
- 10.3 Cost Overview

#### **SECTION 11 CONCLUSION**

12 RESEARCH METHOD AND DATA SOURCE



#### **Chart And Figure**

#### **CHART AND FIGURE**

Figure Multi-Parameter Water Quality Analyzer Product Picture

Chart Global Multi-Parameter Water Quality Analyzer Market Size (with or without the impact of COVID-19)

Chart Global Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Growth Rate 2017-2022

Chart Global Multi-Parameter Water Quality Analyzer Market Size (Million \$) and Growth Rate 2017-2022

Chart Global Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Growth Rate 2023-2028

Chart Global Multi-Parameter Water Quality Analyzer Market Size (Million \$) and Growth Rate 2023-2028

Table Global Multi-Parameter Water Quality Analyzer Market Overview by Region Table Global Multi-Parameter Water Quality Analyzer Market Overview by Type Table Global Multi-Parameter Water Quality Analyzer Market Overview by Application Chart 2017-2022 Global Manufacturer Multi-Parameter Water Quality Analyzer Sales Volume (Units)

Chart 2017-2022 Global Manufacturer Multi-Parameter Water Quality Analyzer Sales Volume Share

Chart 2017-2022 Global Manufacturer Multi-Parameter Water Quality Analyzer Business Revenue (Million USD)

Chart 2017-2022 Global Manufacturer Multi-Parameter Water Quality Analyzer Business Revenue Share

Chart 2017-2022 Global Manufacturer Multi-Parameter Water Quality Analyzer Business Price (USD/Unit)

Chart HACH Multi-Parameter Water Quality Analyzer Sales Volume, Price, Revenue and Gross margin 2017-2022

Chart HACH Multi-Parameter Water Quality Analyzer Business Distribution Chart HACH Interview Record (Partly)

Chart HACH Multi-Parameter Water Quality Analyzer Business Profile

Table HACH Multi-Parameter Water Quality Analyzer Product Specification

Chart United States Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart United States Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022

Chart Canada Multi-Parameter Water Quality Analyzer Sales Volume (Units) and



Market Size (Million \$) 2017-2022

Chart Canada Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022

Chart Mexico Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Mexico Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022

Chart Brazil Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Brazil Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022 Chart Argentina Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Argentina Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022

Chart China Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart China Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022 Chart Japan Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Japan Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022 Chart India Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart India Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022 Chart Korea Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Korea Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022 Chart Southeast Asia Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Southeast Asia Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022

Chart Germany Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Germany Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022

Chart UK Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart UK Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022 Chart France Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022



Chart France Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022

Chart Spain Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Spain Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022 Chart Russia Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Russia Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022

Chart Italy Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Italy Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022 Chart Middle East Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Middle East Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022

Chart South Africa Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart South Africa Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022

Chart Egypt Multi-Parameter Water Quality Analyzer Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Egypt Multi-Parameter Water Quality Analyzer Sales Price (USD/Unit) 2017-2022 Chart Global Multi-Parameter Water Quality Analyzer Market Segment Sales Volume (Units) by Region 2017-2022

Chart Global Multi-Parameter Water Quality Analyzer Market Segment Sales Volume (Units) Share by Region 2017-2022

Chart Global Multi-Parameter Water Quality Analyzer Market Segment Market size (Million \$) by Region 2017-2022

Chart Global Multi-Parameter Water Quality Analyzer Market Segment Market size (Million \$) Share by Region 2017-2022

Chart Global Multi-Parameter Water Quality Analyzer Market Segment Sales Volume (Units) by Country 2017-2022

Chart Global Multi-Parameter Water Quality Analyzer Market Segment Sales Volume (Units) Share by Country 2017-2022

Chart Global Multi-Parameter Water Quality Analyzer Market Segment Market size (Million \$) by Country 2017-2022

Chart Global Multi-Parameter Water Quality Analyzer Market Segment Market size (Million \$) Share by Country 2017-2022



Chart Portable Product Figure

Chart Portable Product Description

Chart Benchtop Product Figure

Chart Benchtop Product Description

Chart Multi-Parameter Water Quality Analyzer Sales Volume by Type (Units) 2017-2022

Chart Multi-Parameter Water Quality Analyzer Sales Volume (Units) Share by Type

Chart Multi-Parameter Water Quality Analyzer Market Size by Type (Million \$)

2017-2022

Chart Multi-Parameter Water Quality Analyzer Market Size (Million \$) Share by Type Chart Different Multi-Parameter Water Quality Analyzer Product Type Price (USD/Unit)

2017-2022

Chart Multi-Parameter Water Quality Analyzer Sales Volume by Application (Units)

2017-2022

Chart Multi-Parameter Water Quality Analyzer Sales Volume (Units) Share by Application

Chart Multi-Parameter Water Quality Analyzer Market Size by Application (Million \$) 2017-2022

Chart Multi-Parameter Water Quality Analyzer Market Size (Million \$) Share by Application

Chart Multi-Parameter Water Quality Analyzer Price in Different Application Field 2017-2022

Chart Global Multi-Parameter Water Quality Analyzer Market Segment (By Channel) Sales Volume (Units) 2017-2022

Chart Global Multi-Parameter Water Quality Analyzer Market Segment (By Channel) Share 2017-2022

Chart Multi-Parameter Water Quality Analyzer Segment Market Sales Volume (Units) Forecast (by Region) 2023-2028

Chart Multi-Parameter Water Quality Analyzer Segment Market Sales Volume Forecast (By Region) Share 2023-2028

Chart Multi-Parameter Water Quality Analyzer Segment Market Size (Million USD) Forecast (By Region) 2023-2028

Chart Multi-Parameter Water Quality Analyzer Segment Market Size Forecast (By Region) Share 2023-2028

Chart Multi-Parameter Water Quality Analyzer Market Segment (By Type) Volume (Units) 2023-2028

Chart Multi-Parameter Water Quality Analyzer Market Segment (By Type) Volume (Units) Share 2023-2028

Chart Multi-Parameter Water Quality Analyzer Market Segment (By Type) Market Size (Million \$) 2023-2028



Chart Multi-Parameter Water Quality Analyzer Market Segment (By Type) Market Size (Million \$) 2023-2028

Chart Multi-Parameter Water Quality Analyzer Market Segment (By Application) Market Size (Volume) 2023-2028

Chart Multi-Parameter Water Quality Analyzer Market Segment (By Application) Market Size (Volume) Share 2023-2028

Chart Multi-Parameter Water Quality Analyzer Market Segment (By Application) Market Size (Value) 2023-2028

Chart Multi-Parameter Water Quality Analyzer Market Segment (By Application) Market Size (Value) Share 2023-2028

Chart Global Multi-Parameter Water Quality Analyzer Market Segment (By Channel) Sales Volume (Units) 2023-2028

Chart Global Multi-Parameter Water Quality Analyzer Market Segment (By Channel) Share 2023-2028

Chart Global Multi-Parameter Water Quality Analyzer Price Forecast 2023-2028 Chart Laboratory Customers

**Chart Industrial Customers** 

**Chart Government Customers** 



#### I would like to order

Product name: Global Multi-Parameter Water Quality Analyzer Market Status, Trends and COVID-19

Impact Report 2022

Product link: <a href="https://marketpublishers.com/r/GD84A7BBBAD8EN.html">https://marketpublishers.com/r/GD84A7BBBAD8EN.html</a>

Price: US\$ 2,350.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

#### **Payment**

First name

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/GD84A7BBBAD8EN.html">https://marketpublishers.com/r/GD84A7BBBAD8EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

