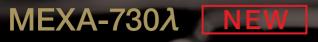
HORIBA

Explore the future







Aim to be the benchmark for UEGO-based air-to-fuel analysis

 $MEXA-730\lambda$ [

▲ A/F display mode

Conforms to the RoHS Directive

Original front panel providing enhanced visibility and operation Restorable sensor coefficient data with new memory back-up function.

Previously MEXA-700 λ II used know-how and ingenuity gathered from HORIBA air-to-fuel ratio measurement technologies used worldwide, to provide the highest level of performance. The MEXA-730 λ adopts this performance and adds original design for enhanced visibility and operation.

A new sensor coefficient data memory function makes it possible to restore back-up data, providing faster start-up times and saving valuable operation time.

This enhanced device will meet your multiple testing requirements covering applications from, lab analysis of air-to-fuel ratio, excess air ratio and oxygen concentration, to on-board real time measurement.



Applications

- · Engine research and development
- Engine tuning
- · Catalyst development
- Exhaust gas adjustment
- On-board evaluation
- ECU adjustment





Meets your need to measure air-to-fuel ratio under various applications

Provides stability with air-to-fuel analyzing sensor

To meet the stringent measurement conditions of research and development, the on-board auto sensor is produced specifically for air-to-fuel evaluation. Each unit undergoes thorough inspection to guarantee accuracy. As a standard unit for air-to-fuel ratio measurement, the MEXA-730 λ provides reliable accurate performance. Sensors of MEXA-700 λ /700 λ II can be used with MEXA-730 λ .



▲100% inspection of sensor guarantees accuracy

Wide measurement range applicable to lean-burn engine development

The MEXA-730 λ can handle various applications with its wide measurement range. Use it in the front line of development for sure evaluation of any type of engine you are working on,including lean-burn.

Versatility inherited from MEXA-700 λ

The MEXA-730 λ can be mounted on vehicle dashboards, table-tops, or in a 19-inch rack cabinet. It is easily transported from location to location providing the versatile characteristics required for your testing requirements.



Can be stacked for multi-channel measurement

Multi-channel measurements are easily accommodated by using several MEXA-730 λ units simultaneously, for example, to monitor air-to-fuel ratio in each cylinder. The stable and compact design of the MEXA-730 λ permits the instruments to be safely stacked for maximum convenience.



Small DC drive allows on-board mounting for convenient operation from the dashboard or complementary locations.



■Specifications

Control unit

Model name MEXA-730λ A/F: 3.99 to 500.0 Display range λ : 0.275 to 30.00 O2: 0.00 to 99.99 vol%

Accuracy of A/F(Guarantee range is from 9.5 to 200 A/F)

(Model gas at room temperature, atmospheric pressure is used): With 3-point calibration at 9.5 A/F, stoichiometric point and 60.0 A/F

> 9.50 A/F to stoichiometric point: within ±0.3 A/F at stoichiometric point: within ±0.1 A/F stoichiometric point to 20.00 A/F; within ±0.3 A/F 20.01 to 30.00 A/F: within ±0.7 A/F within ±1.0 A/F 30.01 to 40.00 A/F: 40.01 to 50.00 A/F: within ±1.5 A/F 50.01 to 60.00 A/F: within ±2.0 A/F 60.01 to 80.00 A/F: within ±6.0 A/F 80.01 to 100.0 A/F: within ±9.0 A/F 100.1 to 150.0 A/F: within ±20.0 A/F within ±38.0 A/F

150.1 to 200.0 A/F: Response time Typically 0.08 s (Max. 0.15 s) Digital input-output RS-232C (standard) Analog output 0 to 5 V DC (scaling possible) H/C setting range 0.00 to 9.99 (key selectable) O/C setting range 0.000 to 6.811 (key selectable) Calibration gas Ambient air or standard gas Acceptable vibration 0 to 294 m/s₂

Power 10-30 V DC, 50 W Dimensions 130 (W) \times 170 (D) \times 75 (H) mm Mass Approx. 1.1 kg (Control unit)

■UEGO Sensor (Data sheet supplied with each UEGO sensor)

Sample gas temperature -7℃ to 900℃ Heater temperature control PID Hexagonal nut size 22 mm Torque 40±4N⋅m

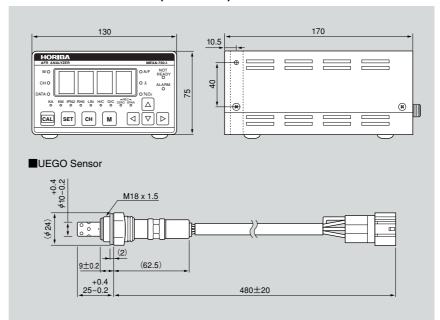
Standard accessories

UEGO sensor (1), Sensor cable 10 m (1), DC power cable (1), Analog output cable (1)

Ontions

AC power unit (Not conform to CE marking), Sensor cable (5 m, 20 m), Calibration unit, Attachment nut, Closing-up bolt, RS-232C cable

■Dimensional outlines (units: mm)





HORIBA continues contributing to the preservation of the global environment through analysis and measuring technology.





Please read the operation manual before using this product to assure safe and proper handling of the product.

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