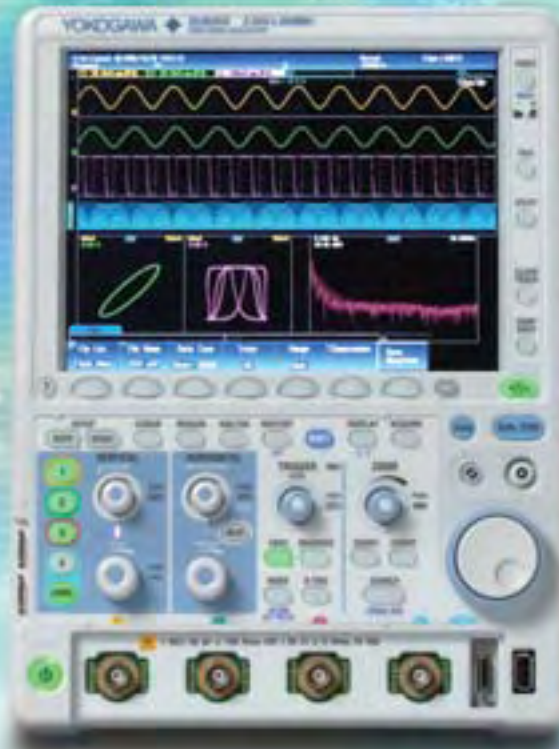


YOKOGAWA 

DLM 2000 Series

Mixed Signal Oscilloscope



Lineup includes 200 MHz, 350 MHz, 500 MHz bandwidth models

Lightweight and compact

Large 8.4-inch LCD display


Long memory: Up to 125M points (with /M2 option)

High speed sampling: Up to 2.5 GS/s (1.25 GS/s with 4 ch)

DLM 2000

For more information, go to
tmi.yokogawa.com
Test & Measurement Instruments



 3-Year Warranty 

Bulletin 7101-00E

Flexible inputs and flexible performance

Easy-to-Use & Easy-to-See

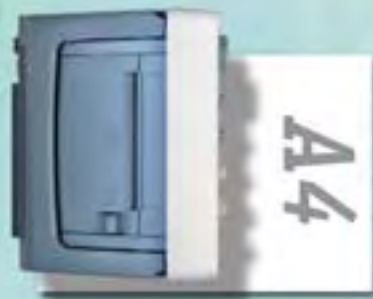
Easy to use. Portrait body + large screen makes display easy to see.

We elevated the large (8.4-inch) LCD screen up into the line of sight. Also, the portrait format saves space on the desk or test bench. A compact personal oscilloscope designed for easy viewing and ease of use.

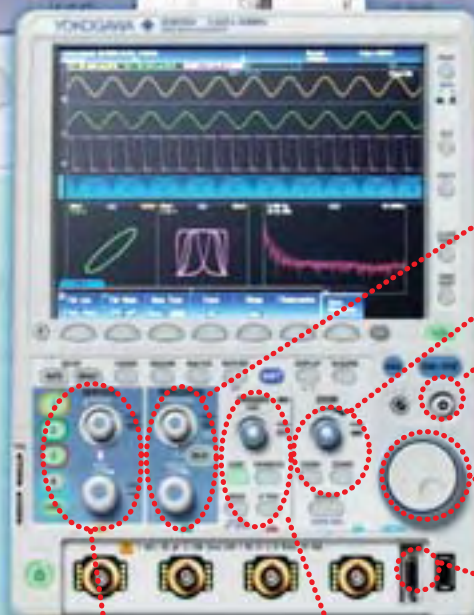
Measured values can be accurately read on the 0.1 div sub grid display.

Large screen in a compact body

Footprint is approximately 2/3 the size of an 8 1/2 x 11 sheet of paper (depth of approximately 8)



Vertical Position and Scale



Trigger Control Keys and Level Knob

Horizontal Position and Scale Knob

Dedicated Zoom Keys

Four-Direction Selector Button

Select key moves the cursor up/down/left/right

Jog Shuttle and Rotary Knob

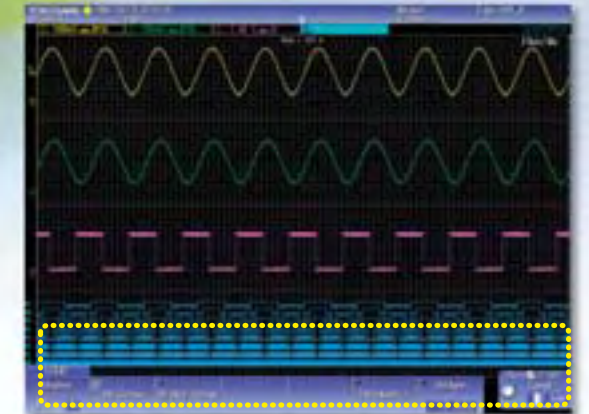
Logic input connector

Signal observation on 4 channels or more...

Flexible MSO Input - Capture a mixed signals of analog and logic signals -

Four channels is not sufficient to view the functioning of digital control circuits. The DLM2000 series converts 4 ch of analog input to 8-bit logic, and functions as a 3 ch analog + 8-bit logic MSO (mixed signal oscilloscope).

3 ch analog + 8-bit logic



The performance of up to 11 inputs by converting to logic

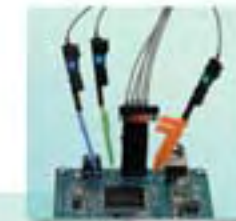
Using logic input, up to 11 input signals can be observed simultaneously as 3 ch of analog and 8-bit logic. It is not only possible to use logic input for observation of data and control signals, or as a trigger source, but also for logic input analysis of I²C and SPI serial busses.

Logic probe for the DLM2000



Fast data processing with ScopeCORE

With our proprietary ScopeCORE fast data processing IC, real time display is possible even when simultaneously measuring multichannel signals of 11 inputs.



ScopeCORE fast data processing IC

DLM2000 Series Lineup

Model	DLM2022 710105	DLM2032 710115	DLM2052 710125	DLM2024 710110	DLM2034 710120	DLM2054 710130
Analog input channels	2				4*	
Logic input					8bit	
Maximum sampling rate	2.5 GS/s (interleave ON)					
Frequency characteristics	200 MHz	350 MHz	500 MHz	200 MHz	350 MHz	500 MHz
Maximum record length	62.5 Mpoints (Single measurement, memory length: M1S, interleave ON)			125 Mpoints (Single measurement, memory length: M2, interleave ON)		

* Or 3 channels when using logic input.

Main Specification

Models			
Model name	Frequency bandwidth	Input terminal	Max. sample rate
DLM2022 (710105)	200MHz	2 analog channels	1.25GS/s (interleave mode off)
DLM2032 (710115)	350MHz		
DLM2052 (710125)	500MHz		
DLM2024 (710110)	200MHz	4 analog channels / 3 analog channels + 8bit logic	2.5GS/s (interleave mode on)
DLM2034 (710120)	350MHz		
DLM2054 (710130)	500MHz		

Basic Specifications

Analog Signal input			
Input channels	Analog input	DLM20x2: CH1, CH2 DLM20x4: CH1 to CH4 (CH1 to CH3 when using logic input)	
Input coupling setting		AC, DC, DC50 Ω, GND	
Input impedance	Analog input	1 MΩ ±1.0%, approximately 20 pF 50 Ω ±1.0% (VSWR 1.4 or less, DC to 500MHz)	
Voltage axis sensitivity setting range	1 MΩ	2 mV/div to 10 V/div (steps of 1-2-5)	
Max. input voltage	50 Ω	2 mV/div to 500 mV/div (steps of 1-2-5)	
Max. DC offset setting range	1 MΩ	150 Vrms (CAT I) Must not exceed 5 Vrms or 10 Vpeak	
	50 Ω	±1V (2 mV/div to 50 mV/div) ±10V (100 mV/div to 500 mV/div) ±100V (1 V/div to 10 V/div) ±1V (2 mV/div to 50 mV/div) ±5V (100 mV/div to 500 mV/div)	
DC accuracy ¹		±(1.5% of 8 div + offset voltage accuracy)	
Offset voltage accuracy ¹	2 mV to 50mV/div	±(1% of setting +0.2 mV)	
	100 mV to 500 mV/div	±(1% of setting + 2 mV)	
	1 V to 10 V/div	±(1% of setting + 20 mV)	
Frequency characteristics (-3 dB attenuation when inputting a sinewave of amplitude ±3div) ¹⁺²		DLM202x	DLM203x DLM205x
1 MΩ (when using passive probe)	100 mV to 100 V/div	DC to 200 MHz	DC to 350 MHz DC to 500 MHz
	20 mV to 50 mV/div	DC to 150 MHz	DC to 300 MHz DC to 400 MHz
50 Ω	10 mV to 10 V/div	DC to 200 MHz	DC to 350 MHz DC to 500 MHz
	2 mV to 5 mV/div	DC to 150 MHz	DC to 300 MHz DC to 400 MHz
Isolation between channels		-34 dB@ analog bandwidth (typical value)	
Residual noise level ³		The larger of 0.4 mV rms or 0.05 div rms (typical value)	
A/D resolution		8bit (25LSB/div) Max. 12 bit (in High Resolution mode)	
Bandwidth limit		FULL, 200 MHz, 100MHz, 20 MHz, 10 MHz, 5 MHz, 2 MHz, 1 MHz, 500 kHz, 250 kHz, 125 kHz, 62.5 kHz, 32 kHz, 16 kHz, 8 kHz (can be set for each channel)	
Maximum sample rate		1.25 GS/s	
Real time sampling mode	Interleave OFF	2.5 GS/s	
	Interleave ON	125 GS/s	
Repetitive sampling mode		Repeat/Single/Single Interleave:	
Maximum record length	2 ch model (Standard)	1.25 M/6.25 M/12.5 MPoints	
	2 ch model (/M1S)	Repeat/Single/Single Interleave: 6.25 M/25 M/62.5 MPoints	
	4 ch model (Standard)	Repeat/Single/Single Interleave: 1.25 M/6.25 M/12.5 MPoints	
	4 ch model (/M1)	Repeat/Single/Single Interleave: 6.25 M/25 M/62.5 MPoints	
	4 ch model (/M2)	Repeat/Single/Single Interleave: 12.5 M/62.5 M/125 MPoints	
Ch-to-Ch deskew		±100 ns	
Time axis setting range		1 ns/div to 500 s/div (steps of 1-2-5)	
Time base accuracy		±0.002%	
Max. acquisition rate ⁴		Approx. 20,000 waveform/sec/ch (Accumulation mode)	
Dead time in N Single mode		Approx. 2.2 μs (approx. 450,000 waveforms/sec/ch)	
Logic Signal Input (4 ch model only)		8 bit (excl. 4 ch input and logic input)	
Number of inputs		Model 701988: 100 MHz	
Maximum toggle frequency ¹		Model 701989: 250 MHz	
Compatible probes		701988, 701989 (8 bit input) (701980, 701981 are available)	
Min. input voltage		701988: 500 mVp-p 701989: 300 mVp-p	
Input range		Model 701988: ±40 V Model 701989: threshold ±6V	
Max. nondestructive input voltage		±40 V (DC + ACpeak) or 28 Vrms (when using 701989)	
Threshold level setting range		Model 701988: ±40 V (setting resolution of 0.05 V) Model 701989: ±6 V (setting resolution of 0.05 V)	
Input impedance		701988: Approx. 1 MΩ/approx. 10 pF 701989: Approx. 100 kΩ/approx. 3 pF	
Maximum sampling rate		1.25 GS/s	
Maximum record length	Standard	Repeat: 1.25 MPoints, Single: 6.25 MPoints	
	/M1, /M1S option	Repeat: 6.25 MPoints, Single: 25 MPoints	
	/M2 option	Repeat: 12.5 MPoints, Single: 62.5 MPoints	

Triggers

Trigger modes	Auto, Auto Level, Normal, Single, N-Single
Trigger type, trigger source	A triggers
Edge	CH1 to CH4, Logic, EXT, LINE
Edge OR	CH1 to CH4
Edge Qualified	CH1 to CH4, Logic, EXT
State	CH1 to CH4, Logic
Pulse width	CH1 to CH4, Logic, EXT
State width	CH1 to CH4, Logic
TV	CH1 to CH4
Serial Bus	
i°C (optional)	CH1 to CH4, Logic
SPI (optional)	CH1 to CH4, Logic
UART (optional)	CH1 to CH4, Logic
CAN (optional)	CH1 to CH4
LIN (optional)	CH1 to CH4
User defined	CH1 to CH4
AB triggers	
A Delay B	10 ns to 10 s (Edge, Edge Qualified, State, Serial Bus)
A to B(N)	1 to 10 ⁹ (Edge, Edge Qualified, State, Serial Bus)
Dual Bus	Serial bus only
Trigger level setting range	CH1 to CH4
Trigger level setting resolution	CH1 to CH4
Trigger level accuracy	CH1 to CH4
Window Comparator	
	±4 div from center of screen
	0.01 div (TV trigger: 0.1 div)
	±(0.2 div + 10% of trigger level)
	Center/Width can be set on individual Channels from CH1 to CH4

Display

Display	8.4-inch TFT color liquid crystal display 1024 x 768 (XGA)
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Functions

Waveform acquisition modes	Normal, Envelope, Average
High Resolution mode	Max. 12 bit (the resolution of the A/D converter can be improved equivalently by placing a bandwidth limit on the input signal.)
Sampling modes	Real time, interpolation, repetitive sampling
Accumulation	Select OFF, Intensity (waveform frequency by brightness), or Color (waveform frequency by color)
Accumulation time	100 ms to 100 s, Infinite
Roll mode	Enabled at 100 ms/div to 500 s/div (depending on the record length setting)
Zoom function	Two zooming windows can be set independently (Zoom1, Zoom2)
Zoom factor	x2 to 2.5 points/10div (in zoom area)
Scroll	Auto Scroll
Search functions	Edge, Edge Qualified, State, Pulse Width, State Width
	i°C (option), SPI (option), UART (option), CAN (option), LIN (option)
History memory	Max. data
	2,500 (record length 1.25 kPoints, with standard)
	10,000 (record length 1.25 kPoints, with /M1 or /M1S option)
	20,000 (record length 1.25 kPoints, with /M2 option)
History search	Select Rect, WAVE, Polygon, or Parameter mode
Replay function	Automatically displays the history waveforms sequentially
	Specified or average waveforms
Cursor	ΔT, ΔV, ΔT & ΔV, Marker, Degree
Snapshot	Currently displayed waveform can be retained on screen

Computation & Analysis Functions

Parameter measurement	MAX, MIN, P-P, HIGH, LOW, Rms, Mean, Sdev, IntegTY+, IntegTY, +OVER, -OVER, Pulse Count, Edge Count, V1, V2, ΔT, Freq, Period, Avg Freq, Avg Period, Burst, Rise, Fall, +Width, -Width, Duty, Delay
Statistical computation of parameters	Min, Max, Ave, Cnt, Sdev
Statistics modes	Continuous, Cycle, History
Trend/Histogram display of wave parameters	Up to 2 trend or histogram display of specied wave parameters
Computations (MATH)	+ , -, x, Filter (Delay, Moving Avg, IIR Lowpass, IIR Highpass), Integ, Count, user defined math (optional)
Computable no. of traces	2 (Math1, Math2) (1 trace for 2ch model)
Max. computable memory length	Standard model: 6.25 MPoints, /M1, /M2 memory expansion option: 25 MPoints, /M2 expansion option: 62.5 MPoints
Reference function	Up to 2 traces (REF1/REF2) of saved waveform data can be displayed and analyzed
Action ON trigger	Modes All Condition, Zone, Param, Rect, Polygon Buzzer, Print, Save, Mail, GO-NOGO out
Analysis	XY FFT
	Displays XY1, XY2 and T-Y simultaneously
	Number of points: 1.25k, 12.5k, 125k, 250k
	Window functions: Rectangular, Hanning, Flat-Top
	FFT Types: PS (LS, RS, PSD, CS, TF, CH are available with /G2 option)
Histogram	Displays a histogram of acquired waveforms
User-defined math (/G2 Options)	The following operators can be arbitrarily combined in equations: +, -, x, /, SIN, COS, TAN, ASIN, ACOS, ATAN, INTEG, DIFF, ABS, SQRT, LOG, EXP, LN, BIN, DELAY, P2 (power of 2), PH, DA, MEAN, HLBT, PWHH, PWLL, PWHL, PWXX, FV, DUTYH, DUTYL,

The maximum record length that can be computed is as well as standard math functions
 Propagation time difference correction (deskew):
 The difference in propagation time of voltage and current probe signals can be automatically or manually corrected. Correction range is ± 100 ns (0.01 ns resolution)
 Automated measurement of power supply analysis parameters:
 Power supply analysis parameters can be measured automatically and simultaneously with standard measurement items.
 (Automated measurement of two areas is also possible)
 Waveform computation of power supply analysis parameters:
 Wp, Wp+, Wp-, Abs.Wp., P, P+, P-, Abs.P, Z(Impedance)
 Display of the Area of Voltage-Current Operation:
 Allows for checking whether it is within the ASO(area of safe operation)
 Harmonic analysis:
 Harmonic current emission standard IEC 61000-3-2 edition 2.2(EN61000-3-2 (2000))
 Trend display:

Auxiliary analysis functions
 Analysis result save function

Data search and field jump functions
 Analysis list data can be saved to CSV-format files

LIN Bus Signal Analysis Functions (/F4 Option)

Applicable bus LIN Rev.1.3, 2.0
 Bit rate 19.2 kbps, 9.6 kbps, 4.8 kbps, 2.4 kbps, 1.2 kbps
 User defined (an arbitrary bit rate from 1000 bps to 200 kbps with resolution of 100 bps)
 LIN bus Trigger modes Break Synch, ID/DATA, ID OR, and ERROR trigger
 Auto setup function Auto setting of bit rate, threshold value, time axis scale, voltage axis scale, and display of analysis results
 100,000 frames max.
 Analysis results displays Analysis no., time from trigger position (Time (ms)), ID, ID-Field, Data, CheckSum, information
 Auxiliary analysis functions Data search and field jump functions
 Analysis result save function Analysis list data can be saved to CSV-format files

GP-IB (/C1 & /C11 Options)

Electromechanical specifications Conforms to IEEE std. 488-1978 (JIS C 1901-1987)
 Protocol Conforms to IEEE std. 488.2-1987

Auxiliary Input

Rear panel I/O signal External trigger input(DLM20x2: front panel), external trigger output, GO-NOGO output, video output
 Probe interface terminal (front panel) 4 terminals (DLM20x4)
 Probe power terminal (rear panel) 2 terminals (/P2 option)
 4 terminals (/P4 option)

Internal Storage (Standard model /C8 Option)

Capacity Standard model: 100 MB
 /C8 option: 1.8 GB

Built-in Printer (/B5 Option)

Built-in printer 112 mm wide, monochrome, thermal

USB Peripheral Connection Terminal

Connector USB type A connector x 2 (front panel x 1, rear panel x 1)
 Electromechanical specifications USB 2.0 compliant
 Supported transfer standards Low Speed, Full Speed, High Speed
 Supported devices USB Printer Class Ver. 1.0 compliant EPSON/HP (PCL) ink jet printers USB Mass Storage Class Ver. 1.1 compliant mass storage devices* Please contact your local Yokogawa sales office for model names of verified devices

USB-PC Connection Terminal

Connector USB type B connector x 1
 Electromechanical specifications USB 2.0 compliant
 Supported transfer standards High Speed, Full Speed
 Supported class USBTMC-USB488 (USB Test and Measurement Class Ver. 1.0)

Ethernet (/C10 & /C11 Options)

Connector RJ-45 connector x 1
 Transmission methods Ethernet (1000BASE-T/100BASE-TX/10BASE-T)
 Supported services Server: FTP, VXI-11
 Client: SMTP, SNMP, LPR, DHCP, DNS

General Specifications

Rated supply voltage 100 to 240 VAC
 Rated supply frequency 50 Hz/60 Hz
 Maximum power consumption 170 VA
 External dimensions 226 (W) x 293 (H) x 193 (D) mm (when printer cover is closed, excluding protrusions)
 Weight Approx.4.2kg With no options
 Operating temperature range 5 °C to 40 °C

*1 Measured under standard operating conditions after a 30-minute warm-up followed by calibration.

Standard operating conditions: Ambient temperature: 23°C \pm 5°C
 Ambient humidity: 55 \pm 10% RH

Error in supply voltage and frequency: Within 1% of rating

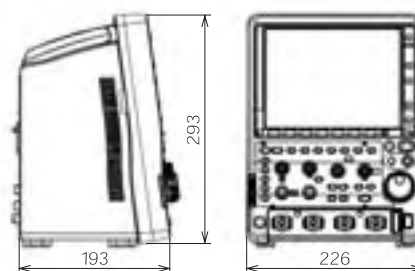
*2 Value in the case of repetitive phenomenon. The frequency bandwidth of a single-shot phenomenon is the smaller of the two values, DC to sampling frequency/2.5 or the frequency bandwidth of the repetitive phenomenon.

*3. When the input section is shorted, the acquisition mode is set to Normal, accumulation is OFF, and the probe attenuation is set to 1:1.

*4. Acquisition rate does not vary with an increase or decrease in channels.

External Dimensions

Unit: mm



I²C Bus Signal Analysis Functions (/F2 & /F3 Options)

Applicable bus I²C bus Bus transfer rate: 3.4 Mbit/s max.
 Address mode: 7 bit/10 bit
 I²C Trigger modes SM bus Complies with System Management Bus
 Every Start, Address & Data, Non-Ack, General Call, Start Byte, HS Mode
 Analyzable signals Assignable to CH1 to CH4, Logic input, or M1 to M2
 Analysis results displays Analysis no., time from trigger position (Time (ms)), 1st byte address, 2nd byte address, R/W, Data, Presence/absence of ACK, information
 Auto setup function Auto setting of bit rate, threshold value, time axis scale, voltage axis scale, and display of analysis results
 Analyzable no. of data 300,000 bytes max.
 Search function Searches data that matches specified address pattern, data pattern, and acknowledge bit condition
 Analysis results save function Analysis list data can be saved to CSV-format files

SPI Bus Signal Analysis Functions (/F2 & /F3 Options)

Trigger types 3 wire/4 wire
 After assertion of CS, compares data after arbitrary byte count and triggers.
 Byte order MSB/LSB
 Auto setup function Auto setting of bit rate, threshold value, time axis scale, voltage axis scale, and display of analysis results
 Analyzable no. of data 300,000 bytes max.
 Decode bit length Specify data interval (1 to 32 bits), decode start point, and data length
 Analysis results displays Analysis no., time from trigger position (Time (ms)), Data 1, Data 2
 Auxiliary analysis functions Data search function
 Analysis result save function Analysis list data can be saved to CSV-format files

UART Bus Signal Analysis Functions (/F1 & /F3 Options)

Bit rate 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, user defined (an arbitrary bit rate from 1 k to 1 Mbps with resolution of 100 bps)
 Data format Select a data format from the following 8 bit (Non Parity) / 7 bit Data + Parity / 8 bit + Parity
 UART Trigger modes Every Data, Data, Error (Framing, Parity)
 Analyzable signals Select CH1 to CH4, logic input, or M1 to M2
 Auto setup function Auto setting of bit rate, threshold value, time axis scale, voltage axis scale, and display of analysis results
 Analyzable no. of frames 300,000 frames max.
 Analysis results displays Analysis no., time from trigger position (Time(ms)), Data (Bin, Hex) display, ASCII display, and Information.
 Auxiliary analysis functions Data search
 Analysis result save function Analysis list data can be saved to CSV-format files

CAN Bus Signal Analysis Functions (/F4 Option)

Applicable bus CAN version 2.0A/B, Hi-Speed CAN (ISO11898), Low-Speed CAN (ISO11519-2)
 Bit rate 1 Mbps/500 kbps/250 kbps/125 kbps/83.3 kbps/33.3 kbps
 User defined (an arbitrary bit rate from 10.0 kbps to 1.000 Mbps with resolution of 100 bps)
 CAN bus Trigger modes SOF, ID/DATA, ID OR, Error(enabled when loading physical values/symbol definitions)
 Auto setup function Auto setting of bit rate, threshold value, time axis scale, voltage axis scale, and display of analysis results
 Analyzable no. of frames 100,000 frames max.
 Analysis results displays Analysis no., time from trigger position (Time (ms)), Frame type, ID, DLC, Data, CRC, presence/absence of Ack, information

Model and Suffix Codes

Model	Suffix code	Description
710105		Digital Oscilloscope DLM2022 2ch, 200MHz
710110 ¹		Mixed Signal Oscilloscope DLM2024 4ch, 200MHz
710115		Digital Oscilloscope DLM2032 2ch, 350MHz
710120 ¹		Mixed Signal Oscilloscope DLM2034 4ch, 350MHz
710125		Digital Oscilloscope DLM2052 2ch, 500MHz
710130 ¹		Mixed Signal Oscilloscope DLM2054 4ch, 500MHz
Power cable	-D	UL/CSA standard
	-F	VDE standard
	-Q	BS standard
	-R	AS standard
	-H	GB standard
Help language	-HE	English Help (Menu and Panel)
	-HC	Chinese Help (Menu and Panel)
	-HK	Korean Help (Menu and Panel)
	-HG	German Help (Menu and Panel)
	-HF	French Help (Menu and Panel)
	-HI	Italian Help (Menu and Panel)
Option	/LN	No switchable logic input (4 ch model only)
	/B5	Built-in printer
	/M1 ²	"Memory expansion option (4 ch model only) During continuous measurement: 6.25 Mpoints; Single mode: 25 Mpoints (when interleave mode ON: 62.5 Mpoints)"
	/M2 ²	"Memory expansion option (4 ch model only) During continuous measurement: 12.5 Mpoints; Single mode: 62.5 Mpoints (when interleave mode ON: 125 Mpoints)"
	/M1S	"Memory expansion option (2 ch model only) During continuous measurement: 6.25 Mpoints; Single mode: 25 Mpoints (when interleave mode ON: 62.5 Mpoints)"
	/P2 ³	Probe power for 2 ch models
	/P4 ³	Probe power for 4 ch models
	/C1 ⁴	GP-IB Interface
	/C10 ⁴	Ethernet Interface
	/C11 ⁴	GP-IB + Ethernet Interface
	/C8	Internal storage (1.8 GB)
	/G2 ⁵	User defined math (4 ch model only)
	/G4 ⁵	"Power supply analysis function (includes /G2) (4 ch model only)"
	/F1 ⁶	UART trigger and analysis (4 ch model only)
	/F2 ⁶	I ² C + SPI trigger and analysis (4 ch model only)
/F3 ⁶	UART + I ² C + SPI trigger and analysis (4 ch model only)	
/F4	CAN + LIN trigger and analysis (4 ch model only)	

- *1: Logic probes sold separately. Please order the model 701988/701989 accessory logic probes separately.
 *2: Only one of these may be selected at a time.
 *3: Specify this option when using current probes or other differential probes such as models 701920 or 701922.
 *4: Only one of these may be selected at a time.
 *5: Only one of these may be selected at a time.
 *6: Only one of these may be selected at a time.

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NOTE



"Before operating the product, read the user's manual thoroughly for proper and safe operation."

Yokogawa's Approach to Preserving the Global Environment

- Yokogawa's electrical products are developed and produced in facilities that have received ISO14001 approval.
- In order to protect the global environment, Yokogawa's electrical products are designed in accordance with Yokogawa's Environmentally Friendly Product Design Guidelines and Product Design Assessment Criteria.

YOKOGAWA

YOKOGAWA CORPORATION OF AMERICA
 2 Dart Road, Newnan, Georgia 30265-1094, U.S.A.
 Phone: (1)-770-253-7000, Fax: (1)-770-251-6427

YOKOGAWA EUROPE B.V.
 Euroweg 2, 3825 HD, Amersfoort, THE NETHERLANDS
 Phone: (31)-88-4641000, Fax: (31)-88-4641111

YOKOGAWA ENGINEERING ASIA PTE. LTD.
 5 Bedok South Road, Singapore 469270
 Phone: (65)-62419933, Fax: (65)-62412606

YOKOGAWA MEASURING INSTRUMENTS KOREA CORP.
 Phone: (82)-2-551-0660, Fax: (82)-2-551-0665

YOKOGAWA SHANGHAI TRADING CO., LTD.
 Phone: (86)-21-5405-0303, Fax: (86)-21-6880-9254

YOKOGAWA ELECTRIC CORPORATION
 Communication & Measurement Business Headquarters
 2-9-32 Nakacho, Musashino-shi, Tokyo, 180-8750 Japan
 Phone: (81)-422-52-6768, Fax: (81)-422-52-6624
 E-mail: tm@cs.jp.yokogawa.com

Standard Main Unit Accessories

Part Name	Quantity
Power cord (with 3-prong to 2-prong adapter)	1
*Passive probe, model 701938 (200 MHz, 1.5 m) For models 710105, 710110 ¹	Per number of channels
*Passive probe, model 701939 (500 MHz, 1.3 m) For models 710115, 710120, 710125, 710130 ¹	Per number of channels
Protective front cover	1
Soft carrying case for probes	1
Printer roll paper (for /B5 option)	1 roll
User's manuals	1 set

Accessory Models

Name	Model	Specification
Logic probe (PBL100)	701988	1 MΩ input resistance, toggle frequency of 100 MHz
Logic probe (PBL250)	701989	100 kΩ input resistance, toggle frequency of 250 MHz
Passive probe	701938	10 MΩ (10:1), 200 MHz, 1.5 m
Passive probe	701939	10 MΩ (10:1), 500 MHz, 1.3 m
FET Pprobe	700939	DC to 900 MHz bandwidth/2.5MΩ/1.8pF
Active probe (PBA1000)	701912	DC to 1 GHz bandwidth/100kΩ/0.9pF
100:1 voltage probe	701944	DC to 400 MHz, 1.2 m, 1000 Vrms
100:1 voltage probe	701945	DC to 250 MHz, 3 m, 1000 Vrms
Differential probe	701921	DC to 100 MHz bandwidth/max. ±700 V
Differential probe	701922	DC to 200 MHz bandwidth/max. ±20 V
Differential probe (PBDH1000)	701924	DC to 1 GHz bandwidth/1MΩ/max. ±25 V
Differential probe	700924	DC to 100 MHz bandwidth/max. ±1400 V
Differential probe	700925	DC to 15 MHz bandwidth/max. ±500 V
Differential probe	701920	DC to 500 MHz bandwidth/max. ±12 V
Current probe (PBC050)	701929	DC to 50 MHz bandwidth, 30 Arms
Current probe (PBC100)	701928	DC to 100 MHz bandwidth, 30 Arms
Current probe	701930	DC to 10 MHz bandwidth, 150 Arms
Current probe	701931	DC to 2 MHz bandwidth, 500 Arms
Mini clip converter	700971	For models 701938 and 701939
BNC adapter	700972	For models 701938 and 701939
PCB adapter	366945	For models 701938 and 701939, 10 per set
Solder-in adapter	366946	For models 701938 and 701939, 1 adapter, red/black cables (3 ea.)
Printer roll paper	B9988AE	Lot size is 10 rolls, 10 meters each
Xviewer	701992-SP01	For DL/WE series, standard version
	701992-GP01	For DL/WE series, with MATH functions
Probe stand	701919	Round base, 1 arm
Carrying case	701964	Also for DL1600/DL1700E series

<http://www.DLM2000.net/>

Mixed Signal Oscilloscope

DLM 2000 Series

Special Site



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 Manual download service! *

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