



Power behind a clear display

The NQ Series comes in different display sizes and each in a colour and monochrome version. All of them display clear and sharp pictures, buttons, text and graphs on a modern touch screen.

- Clear and bright display
- Portrait/Landscape display (NQ5)
- USB Host and Slave connections
- Easy to use software
- Trending, Logging, Alarm handling, etc.

Ordering information

Type			Order Code
Colour TFT	5.7 inch, 320x240 pixels	Ethernet	NQ5-TQ010-B
Colour STN	5.7 inch, 320x240 pixels	No Ethernet	NQ5-SQ000-B
		No Ethernet, Portrait model	NQ5-SQ001-B
Monochrome STN	5.7 inch, 320x240 pixels	No Ethernet	NQ5-MQ000-B
		No Ethernet, Portrait model	NQ5-MQ001-B
Colour TFT	3.5 inch, 320x240 pixels	No Ethernet	NQ3-TQ000-B
		Ethernet	NQ3-TQ010-B
Monochrome FSTN	3.8 inch, 320x240 pixels	No Ethernet	NQ3-MQ000-B

Accessories

Type		Order code
Cables	Mini-peripheral port CJ1/CS1/CQM1H/CPM2C PLC, 2 m	NQ-CN221
	Serial port RS-232 CJ1/CS1/CP1/CQM1H PLC, 2 m	NQ-CN222
	Serial port RS-232 CJ1/CS1/CP1/CQM1H PLC, 5 m	NQ-CN521
	USB programming cable, 2 m	CP1W-CN221
	Serial programming cable, 2 m	NT2S-CN002
Software	NQ-Designer can be downloaded for free from Omron website.	—
Accessories	Maintenance set including 2 x 24 V plug and 4 x mounting clamps	NQ-ATT01
	Battery	NQ-BAT01

Specifications

Item	NQ5-TQ	NQ5-SQ	NQ5-MQ	NQ3-TQ	NQ3-MQ
Display type	5.7 inch Colour TFT	5.7 inch Colour STN	5.7 inch Monochrome STN blue mode	3.5 inch Colour TFT	3.8 inch Monochrome FSTN black/white
Display resolution	320×240 (QVGA)				
Number of colours	256 (32,000 for image data)	256 (4096 for image data)	16 gradations	256 (32,000 for image data)	4 gradations
Backlight	LED	1×CCFL		LED	
Backlight lifetime	Min. 50,000 hours at 25°C				
Touch panel	Analogue resistive touch				
Number of functional keys	6			5	
Dimensions in mm (H×W×D)	142×195×50			102×128×44.5	
Weight	0.4 kg max.				
Screen data capacity	8 MB			8 MB	4 MB
Internal memory	Bit, Word and Retentive memory				
Serial (COM1)	1×RS-232/422/485				
Serial (COM2)	1×RS-232			—	—
USB Slave	For programming				
USB Host	For USB stick file transfer				
Ethernet	IEEE 802.3u 10Base-T/100Base-TX				
Line voltage	24 VDC ±15%				
Power consumption	12 W max.			10 W max.	
Battery	NQ-BAT01 (3 V coin battery)				
Battery lifetime	5 years (at 25°C)				
Enclosure rating (front side)	IP65				
Obtained standards	CE, cULus, Lloyds				
Operating environment	No corrosive gases				
Ambient operating temperature	0 to 50°C ^{*1}				
Ambient operating humidity	10-85% RH, no condensation				

^{*1} see manual for details.