

# QTERM®-G56

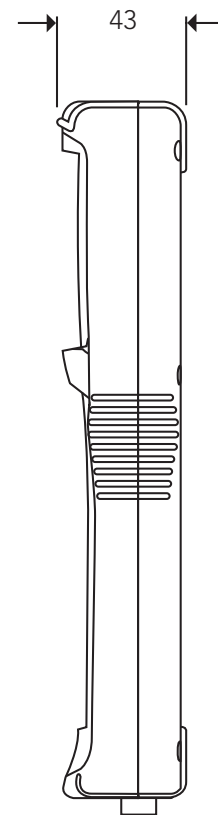
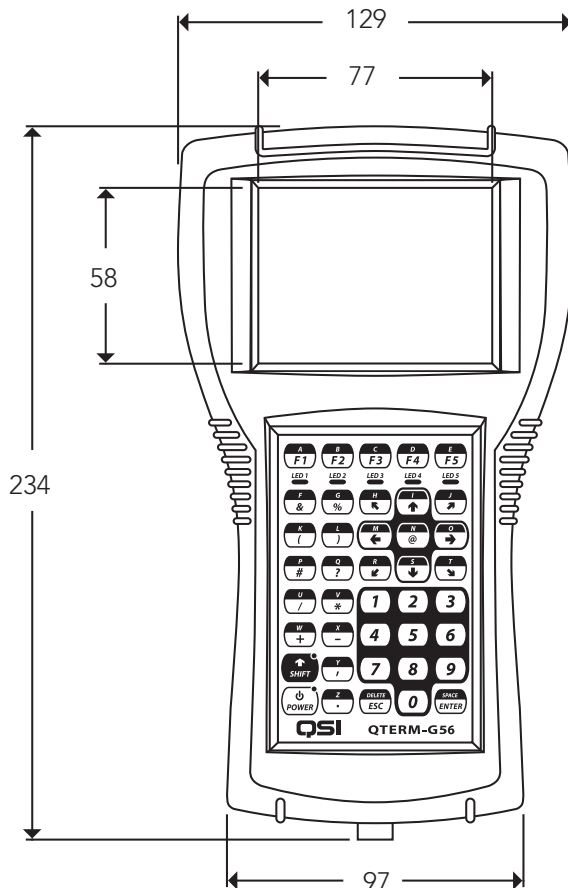
3.5" Ultra-rugged, Handheld HMI with Touch Screen

**QSI** The tethered QTERM-G56 human machine interface terminal is a handheld device with a color sunlight readable touch screen display and your choice of Qlarity® object-based programming language or program directly in the Windows® Embedded CE 6.0 environment.



## Product Highlights

- ▶ 320 x 240 pixel, 3.5" (89 mm) diagonal, sunlight-readable, LED lighted, TFT color LCD touch screen display
- ▶ Optional 10/100Base-T Ethernet
- ▶ Optional E-Stop and customizable logo and keypad
- ▶ NEMA-4 rated, CE Certified
- ▶ Windows Embedded CE 6.0 or Qlarity



Dimensions shown in mm.

## QTERM-G56 Specifications

Feature	Detail	Description
Display	Type	320 x 240 Transflective, TFT color LCD
	Size	3.5" (89 mm) diagonal
	Lighting	LED
	Brightness	Software-controllable
Touch Screen	Type	Analog-resistive
Keypad	Number of keys	24-key standard, 40-key optional
	Construction	Steel snap domes in membrane, 4 or 5 programmable LEDs, Power and Shift LEDs
	Options	Electroluminescent lighting, prototype and custom legends available
Interface	Ethernet (optional)	10/100Base-T
	Serial	One EIA-232/422/485; one EIA-232 RTS/CTS (not available with Ethernet option)
	USB	2.0 full-speed host port for mass storage access
	Connectors	12-pin round (Hirose HR30) Sealed push-lock circular connector
Processor	Type	Atmel ARM9 200 MHz
Memory	RAM	64 MB SDRAM
	Flash	256 MB
Realtime Clock	Standard	Battery-backed, 1 second resolution
Audio	Speaker	1 W 8 Ω Sealed, 83 dB nominal at 100 mm, 1 W input power
	Audio Decoder	Single channel digital decoder for .wav files
	Other	Standard beep, software controllable in duration and pitch
Power	Input	8 to 32 VDC
	Other	Power switch on membrane keypad for full shutdown
Mechanical	Type	Handheld
	Size	129 (W) x 234 (H) x 43 (D) mm
	Mass	510 kg
	Housing Material	ABS polycarbonate with rubber overmold
	Colors	Available in gray, black or blue
Environmental	Sealing	NEMA-4
	Temperature	Operating: -20 to 60 °C; Storage: -30 to 70 °C
	Humidity	0 to 95%, non-condensing
	Vibration	5 to 2000 Hz, 4 g RMS
	Shock	40 g, 11 ms, any axis
	Drop	1.5 m onto concrete
Certifications	CE	EN60950, EN55022, and EN55024
	EMC	FCC Part 15, Subpart B, ICES-003
Software	Operating System	Windows® Embedded CE 6.0 or Qlarity®
	Development Environments	Microsoft® Visual Studio® or Qlarity Foundry®
	Development Languages	Win32, MFC, Visual C#®, Visual Basic® or Qlarity®
Other	E-Stop (optional)	Two-pole, normally closed (requires integral cable option)



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