



"Setting The Standard For Supplier Excellence"

New Product Notice



HMI² Operator Interface Control Console

- NEW** ▼ Two sensor networks with a capacity of 16 sensors each (32 sensors total) are provided to communicate with SiloPatrol[®] SMU "smart" sensors
- NEW** ▼ Universal AC power supply accepts 100-240V AC power
- ▼ Unique back-lit display ensures visibility in low light conditions
- ▼ Flexible display of data in English or Metric units including feet, meters, pounds, kilograms, cubic feet, cubic meters, U.S./British bushels, gallons, liters, tons, metric tonnes
- ▼ Direct replacement for original HMI controller



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HMI² Operator Interface Control Console

HMI² FEATURES

- ▼ Multi-functional HMI² controls SiloPatrol® SMU “smart” output sensor operations, displays measured and calculated data and performs/displays system and sensor diagnostic messages
- ▼ Two sensor networks with a capacity of 16 sensors each (32 total) are provided to communicate with SMU “smart” sensors.
- ▼ Controls analog outputs and/or relay outputs when using the optional Auxiliary Output Enclosure
- ▼ Universal AC power supply accepts 100-240V AC power
- ▼ Industry-exclusive electronics designed per stringent international CE 1010 standards to ensure world-wide compliance in shock hazard protection, electromagnetic noise interference and generation
- ▼ Unique back-lit display ensures visibility in low light conditions
- ▼ Automatic, Manual or Auto/Manual operating modes
- ▼ With data input from the user, HMI² can calculate and display values for level, volume, weight and percent
- ▼ Flexible display of data in English or Metric units including feet, meters, pounds, kilograms, cubic feet, cubic meters, U.S./British bushels, gallons, liters, tons, metric tonnes
- ▼ Programmable 12-character alphanumeric name for labeling vessel contents



HMI² OPERATING MODES

MANUAL MODE

The HMI² is easily programmed to display calculated level, volume, weight or percent in addition to the basic distance measurement. Manual readings are taken by depressing the MEAS button, followed by the channel number, followed by ENTER.

AUTOMATIC MODE

The HMI² can also be programmed to operate the SMU “smart” sensors automatically. Menu options allow the user to select days of SMU operation (such as Mon.-Fri.), time window (such as 7 a.m.-3 p.m.) and measurement interval (minimum 30 minutes).

HMI² ORDERING INFORMATION

Part#	Description
6-8631-1000	32-Channel (2 Networks), 100-240V AC

HMI² MODEL CONFIGURATION

APPROVALS

The HMI² carries the CE Mark.

NUMBER OF CHANNELS

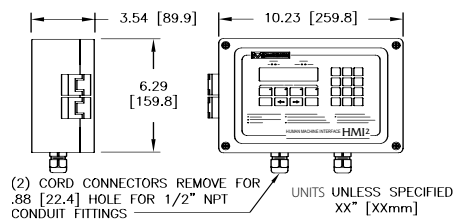
The HMI² has two networks that can interface with up to 32 SMU sensors total (16 per network). The SMU “smart” output sensors are wired to the HMI² using an RS-485 shielded network cable.

HMI² SPECIFICATIONS

Power Requirements:	100-240V AC, 50/60Hz
Power Consumption:	6VA max
Ambient Operating Temperature:	-4° F to 131° F (-20° C to 55° C)
Sensor Communication:	RS-485 half-duplex, non-isolated, proprietary protocol
Channels:	Two 16-channel networks (32 channels total)
Display:	2 lines, 20 characters per line, 0.22” x 0.12” characters, LCD backlight
Keypad:	20 keys
Indicators:	8 LEDs (function, relay, and error status)
Enclosure & Overall Dimensions (HxWxD):	Painted Aluminum 6.29”x10.23”x3.54” (160mmX260mmX90mm)
Approvals:	CE Mark

HMI² MECHANICALS

DIMENSIONS ARE SHOWN IN INCHES WITH MILLIMETER EQUIVALENT IN BRACKETS



WARRANTY

Monitor Technologies LLC warrants each HMI² it manufactures to be free from defects in material and workmanship under normal use and service for two (2) years from the date of purchase. The purchaser must notify Monitor of any defects within the warranty period, return the product intact, and prepay transportation charges. The obligation of Monitor Technologies LLC under this warranty is limited to repair or replacement at its factory. This warranty does not apply to any product which is repaired or altered outside of Monitor Technologies’ factory, or which has been subject to misuse, negligence, accident, incorrect wiring by others, or improper installation. Monitor Technologies LLC reserves the right to change the design and/or specifications without prior notice.

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