The HMi 1801–Z1

-40⁰C to +60⁰C Operating Temperature

-40^{0}C to $+60^{0}\text{C}$ Operating Temperature
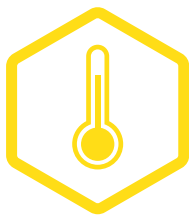
Multiple Certification

Customizable I/O

Precision Engineered Enclosure

Zone 1 certified portable DAQ system, designed specifically for use in the oilfield. Customizable digital I/O, analog I/O, barriers, and firmware to meet end users' unique requirements.

hmielements.com

The HMi 1801–Z1

ZONE 1

Environment Ready

-40^{0}C to +60^{0}C Operating Temperature.

Certification

II (2) GD
Ex e db ib [ib] IIC T4 Gb
Class1 Zone1
AEx e db ib [ib] IIC T4 Gb

Customizable I/O

Customizable Analogue and Digital I/O.

Intelligent PSU

Provides monitoring and event logging of power source. With indicator on the front panel.

Interface Design

User defined front panel layout.

TYPICAL EX CODE	Ex e db ib [ib] IIC T4 Gb. Class1 Zone1 AEx e db ib [ib] IIC T4 Gb
POWER REQUIREMENTS	100 to 240 VAC 47-63Hz
OPERATING TEMPERATURE	-40'C to +60'C
STORAGE TEMPERATURE	-40°C to +85°C.
HUMIDITY	Operating: 10 - 90%. Non-Operating: 10 -100%
WEIGHT	15Kilo (33lbs)
SIZE	W 430mm (16.93") x H 417mm (16.3") x D 165mm (6.5")
MATERIAL	Aircraft Grade Aluminium
INGRESS PROTECTION	IP66 Nema 4x
INTERFACES	3x Ex d Wireless antenna, 2x Ex d Power, 2x Ex d control/Signal, 8x IS barriered I/O
CHANNELS BARRIERED DIGITAL	Configurable channels including; Namur switches, Quadrature encoder, 24VDC switched outputs
CHANNELS BARRIERED ANA-LOGUE	Configurable channels including; 4-20mA, low level inputs, bidirectional mA drive outputs, bridged analogue inputs
PROCESSOR/MEMORY	AMD G series 1GHz, 4Gb RAM, 128Gb SSD storage
DISPLAY	OLED Matrix display 256 x 64 pixels
COMMUNICATIONS	1x Wireless 802.11 abgn, 1x 10/100 and GbE IEEE 802.3 Copper LAN, 1x Zigbee custom control interface
DIAGNOSTICS	Extensive continuous status monitoring with logging
OPTIONS	Open architecture for future customization

Design and specifications subject to change without notice.
Errors and omission excepted

HMi ELEMENTS™
REFINED **STRENGTH**